

D 101-1115-3431-204-20P

# TM 5-3431-204-20P

DEPARTMENT OF THE ARMY TECHNICAL MANUAL

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ORGANIZATIONAL MAINTENANCE REPAIR PARTS  
AND SPECIAL TOOL LISTS

WELDING MACHINE, ARC; GENERATOR; GASOLINE  
ENGINE DRIVEN; SINGLE OPERATOR; REMOTE CONTROL;  
300 AMP, DC, ARC; SKID MTD; 60 AMP AT 20 V MIN,  
375 AMP AT 40 V MAX CURRENT; DC 115 V, 3 KW  
AUXILIARY POWER: MIL SPEC W-13768 (HOBART  
MODELS) (HOBART MODEL GH-3153)

FSN 3431-351-9209  
(HOBART MODEL GH-3153-S)  
FSN 3431-239-8186

RETURN TO GPO: 204-20P

This copy is a reprint which includes current  
pages from Change 1.

HEADQUARTERS, DEPARTMENT OF THE ARMY  
JANUARY 1963

TM 5-3431-204-20P  
C 1

CHANGE }

NO. 1

HEADQUARTERS  
DEPARTMENT OF THE ARMY  
WASHINGTON, D.C. 21 February 1968

**Organizational Maintenance Repair Parts and Special Tool  
Lists**

**WELDING MACHINE, ARC; GENERATOR; GASOLINE ENGINE DRIVEN;  
SINGLE OPERATOR; REMOTE CONTROL; 300 AMP, DC, ARC; SKID  
MOUNTED; 60 AMP AT 20V MIN., 375 AMP AT 40V MAX. CURRENT  
DC, 115V, 3KW AUXILIARY POWER  
(MIL SPEC W, 13768 HOBART MODELS)  
(HOBART MODEL GH-3153)  
FSN 3431-351-9209  
(HOBART MODEL GH-3153-S)  
FSN 3431-239-8186**

TM 5-3431-204-20P, 29 January 1963, is changed as follows: Cover and title page is changed as above. Change date on cover page to read January 1963.

Page vi, table 1, Prescribed Load Listing. In line item 2, change FSN from 2920-248-1618 to 2920-516-6778 and change manufacturer's code and part number from (19728) AR4S to (70040) SR44E.

In line 3, change FSN from 2920-294-3867 to 2920-817-8724 and change manufacturer's code from (19728) to (23040).

Page viii, Paragraph 5, Index to Federal Supply Code for Manufacturers. The following Federal supply codes are added to the list in proper numerical order:

23040 . . . . . Ford Motor Co., Parts and accessories  
operation

86403 . . . . . Chrysler Corp, Parts Division

Paragraph 6 is superseded as follows:

## 6. Report of Equipment Publication Improvements

Report of errors, omissions, and recommendations for improving this manual by the individual user is encouraged. Reports should be submitted on a DA Form 2028 (Recommended Changes to DA Publications) and forwarded direct to Commanding General, U. S. Army Mobility Equipment Command, ATTN: AMSME-MPP, 4300 Goodfellow Boulevard, St. Louis, Mo. 63120.

All Federal stock numbers and reference numbers, additions, changes, and deletions should be made to indexes.

Page	Line	Action	Source codes				Federal stock number	Description	Unit of issue	Expendability	Quantity incorporated in unit	15 Days organizational maintenance				Guide quantities per 100 equipments				Illustrations	
			Technical services		Source	Maintenance						Recoverability	Field maintenance 15-day level		Depot maintenance	Fig. no.	Item no.				
			a	b									3rd Ech	4th Ech				5th Ech			
																			1-5 Eqp	6-10 Eqp	2nd Ech
						e	f	g	h	i	j	k	l	m	n	o	p				
1	23	Ch. col. e					2910-358-4748	Section II. REPAIR PARTS LIST 0100 - ENGINE ASSEMBLY GASKET ***													
5	15	Ch. col. e					2940-141-9025	0108 - ENGINE LUBRICATION SYSTEM ELEMENT, FILTER (81321) PD51													
10	5	Ch. col. e					2910-358-4748	0301 - CARBURETOR GASKET ***													
10	6	Ch. col. e					2910-358-4748	GASKET ***													
12	6	Ch. col. e					4720-541-3662	0304 - AIR CLEANER HOSE, AIR CLEANER: preformed (28835) SCW713													
23	2	Ch. cols. e and f					2930-364-2760	0504 - WATER PUMP PUMP, WATER (86403) 1064925													
29	43	Ch. cols. e and f					2920-516-6778	0604 - IGNITION COMPONENTS SPARK PLUG *** (70040) SR44E													
30	2	Ch. cols. e and f					2920-817-8724	SPARK PLUG "B" (23040) AR8S													
30	2	Ch. cols. e and f					2920-272-1331	0607 - INSTRUMENT OR ENGINE CONTROL PANEL SWITCH, LOCK, IGNITION (92278) DW1014													

By Order of the Secretary of the Army:

HAROLD K. JOHNSON,  
*General, United States Army,*  
*Chief of Staff.*

Official:

KENNETH G. WICKHAM,  
*Major General, United States Army,*  
*The Adjutant General.*

**DISTRIBUTION:**

To be distributed in accordance with DA Form 12-25, Section I, requirements for organizational maintenance, welding equipment.

824-069

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TECHNICAL MANUAL }  
No. 5-3431-204-20P }

HEADQUARTERS,  
DEPARTMENT OF THE ARMY  
WASHINGTON 25, D.C., 29 January 1963

# ORGANIZATIONAL MAINTENANCE REPAIR PARTS AND SPECIAL TOOL LISTS

WELDING MACHINE, ARC: GENERATOR; GASOLINE ENGINE DRIVEN; SINGLE  
OPERATOR; REMOTE CONTROL; 300 AMP, DC, ARC; SKID MTD; 60 AMP AT  
20 V MIN, 375 AMP AT 40 V MAX CURRENT; DC 115 V, 3 KW AUXILIARY  
POWER: MIL SPEC W-13768 (HOBART MODELS) (HOBART MODEL GH-3153)  
FSN 3431-351-9202 (HOBART MODEL GR-3153-S) FSN 3431-239-8186

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\* This manual supersedes so much of Department of the Army Supply Manual ENG 7 & 8-5131, 19 October 1954, including C 2, 14 July 1959.

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## SECTION I

### INTRODUCTION

#### 1. General

a. This manual lists the special tools and quantities of repair parts authorized and required to be stocked by organizational maintenance echelons as their prescribed load. Repair parts not authorized for stockage but which may be required to perform maintenance of the equipment are listed with no quantities shown. Information and data shown herein serve as requisitioning reference material, and as a guide to determine quantities of repair parts required for stockage.

b. Price information for stock-type repair parts may be obtained from applicable Department of the Army type 2-series supply manuals.

c. Repair parts lists are arranged as follows:

- (1) Individual parts and major assemblies are listed alphabetically by item name within the numbered functional groups.
- (2) Assembly components and subassemblies are indented and listed alphabetically by item name under major assemblies.
- (3) Bulk material and parts peculiar with more than one application are listed in either functional group 9501 or 9901.

d. Allowances are based on 1,500 hours operation per year.

e. Parts applicable to specific engines, serial number ranges, or models of this end item are indicated by a letter symbol in the description column, following the nomenclature. The symbols apply as follows:

- (A) Applies to Hobart Welding Machine Model GH-3153 W/Chrysler Model IND5A435 Engine.
- (B) Applies to Hobart Welding Machine Model GR-3153S W/Chrysler Model IND7A2M Engine.

Parts not symbolized or annotated are applicable to all end items.

#### 2. Explanation of Repair Parts, Tool Lists, and Prescribed Load Listing (Table I).

a. *Source Codes.* This column is subdivided into four columns. The titles and information provided in each column are as follows:

- (1) *Technical service.* This column lists either the basic number of the technical service or code symbol of the supply center assigned supply responsibility for the part. Those spaces left blank denote Corps of Engineers supply responsibility. General Engineer supply parts are identified by the letters "GE" in parentheses, following the nomenclature in the description column. Other technical service basic numbers or supply center code symbols are:

3—Chemical Corps  
9—Ordnance Corps  
10—Quartermaster Corps  
11—Signal Corps  
55—Transportation Corps

- (2) *Source.* The selection status and source of supply for each part are indicated by one of the following code symbols:

- (a) P—applied to high-mortality repair parts which are stocked in or supplied from the technical service depot system and authorized for use at indicated maintenance echelons.
- (b) P1—applied to repair parts which are low-mortality parts, stocked in or supplied from technical service depots, and authorized for installation at indicated maintenance echelons.
- (c) M—applied to repair parts which are not procured or stocked but are to be manufactured at indicated maintenance echelons.
- (d) A—applied to assemblies which are not procured or stocked as such but made up of two or more units, each



of which carry individual stock numbers and descriptions and are procured and stocked and can be assembled by units at indicated maintenance echelons.

- (e) X—applied to parts and assemblies which are not procured or stocked, the mortality of which is normally below that of the applicable end item, and the failure of which should result in retirement of the end item from service.
  - (f) X1—applied to repair parts which are not procured or stocked, the requirement for which will be supplied by use of next higher assembly or component.
  - (g) X2—applied to repair parts which are not stocked. The indicated maintenance echelon requiring such repair parts will attempt to obtain them through cannibalization; if not obtainable through cannibalization, such repair parts will be requisitioned with supporting justification through normal supply channels.
  - (h) C—applied to repair parts authorized for local procurement. If not obtainable from local procurement, such repair parts will be requisitioned through normal supply channels with a supporting statement of non-availability from local procurement.
  - (i) G—applied to major assemblies that are procured with PEMA (Procurement Equipment Missile Army) funds for initial issue only to be used as exchange assemblies at field maintenance level. These assemblies will not be stocked above field maintenance level or returned to depot supply level.
  - (j) Z—applied to obsolete repair parts no longer stocked or procured.
- (3) *Maintenance.*
- (a) The lowest maintenance echelon authorized to manufacture, assemble, and/or install the part is indicated by the code symbol:

O—Organizational Maintenance  
(1st and 2d echelons).

Capabilities of higher maintenance echelons are considered equal or better.

- (b) This column is blank when components of kits or sets are listed that are not applicable to the item of equipment, or when an item is source coded X1.
- (4) *Recoverability.* Repair parts and/or tool and equipment items that are recoverable are indicated by one of the following code symbols:
- (a) R—applied to repair parts and assemblies which are economically repairable at field maintenance activities (3d and 4th echelons) and are normally furnished by supply on an exchange basis. Items that can be economically repaired are considered nonexpendable.
  - (b) T—applied to high-dollar value recoverable repair parts which are subject to special handling and are issued on an exchange basis. Such repair parts normally are repaired or overhauled at depot maintenance activities.
  - (c) U—applied to repair parts specifically selected for salvage by reclamation units because of precious metal content, critical materials, high-dollar value reusable casings, castings, and the like.

*Note.* When no code is shown in the recoverability column, the part is considered expendable.

*b. Federal Stock Numbers.* When a Federal stock number is available for a part, it will be shown in this column and used for requisitioning purposes.

*c. Description.*

- (1) The item name and a brief description of the part are shown.
- (2) A five-digit Federal Supply Code for manufacturers and/or other technical services is shown in parentheses, fol-

lowed by the manufacturer's part number. This number will be used for requisitioning purposes when no Federal stock number is indicated in the Federal Stock Number column.

*Example:* (08645) 86453.

- (3) Repair part quantities included in kits, sets, and assemblies, that differ from the actual quantity used in this specific end item, are listed in parentheses.
- (4) When repair parts are source coded "C", the manufacturer's part number will be used for local procurement.

*d. Unit of Issue.* Where no abbreviation is shown in this column, the unit of issue is "each".

*e. Quantity Incorporated in Unit.* The actual number of parts used in the application indicated is shown in this column. A zero (0) is shown when components of kits or sets are listed that are not applicable to this specific end item.

*f. 15-Day Organizational Maintenance Allowance.* Shown for each repair part is either a quantity or an asterisk (\*) allocation which indicates the following:

- (1) A quantity is shown for each repair part authorized to be stocked as the prescribed load. This quantity is based on past experience with similar items and the latest mortality data for 1,500 hours operation per year. It is the average quantity required to provide organizational maintenance for 1-5 and/or 6-10 items of equipment for a 15-day period under average combat conditions.

*Note.* Combat essential items which must be stocked or on order at organizational maintenance at all times, regardless of demand, will be identified in the allowance column by a quantity in parentheses.

Table I is the prescribed load listing of items quantitatively allocated herein and lists the combat essential items required to support the end item of equipment. Repair parts required to perform organizational maintenance, which are not authorized for stockage, are identified by an asterisk

in section II, and are to be requisitioned for immediate use only.

- (2) The quantities listed in table I are for one prescribed load for a 15-day period. A minimum stockage sufficient to repair one item and/or assembly is authorized (e.g., if 3 belts are required, then 3 belts are allocated as the min stockage). This quantity will be indicated in the minimum stockage authorization column. The quantities contained in the prescribed load must be on hand or on order at all times. Units and organizations authorized additional prescribed loads will multiply the number of prescribed loads by the appropriate end item spread column of 1-5 or 6-10. When more than 10 equipments are authorized, multiply the quantity authorized in the 6-10 density spread column by the number of equipments and the number of prescribed loads, divide by 10, and round to the nearest whole number.

*Example:* If the density spread is 4, the number of equipments is 17, and the number of prescribed loads is 1, the following formula would be used:

$$4 \times 17 \times 1 \div 10 = 6.8$$

The resulting fraction is 0.8; therefore, the stockage is 7.

*Example:* If the density spread is 4, the number of equipments is 17, and the number of prescribed loads is 3, the following formula would be used:

$$4 \times 17 \times 3 \div 10 = 20.4$$

The resulting fraction is 0.4; therefore, the stockage is 20.

*Note.* An exception is made for those units and organizations required to have on hand, boxed or packaged prescribed load(s) pursuant to a special mission assignment. Such prescribed load(s) will be computed or selected separately from quantities authorized for stockage at permanent station.

- (3) Subsequent changes to allowances will be limited as follows:
  - (a) No decrease in the stated quantity of combat essential items is authorized.

Table I. Prescribed Load Listing

Federal stock No.	Description	Functional group	Minimum stockpile authorization	Unit of issue	15-day organizational maintenance allowances	
					1-5	6-10
2910-145-0220	GASKET: carburetor body (71500) 121-69.	0301	....	....	....	1
2920-248- <del>2618</del>	SPARK PLUG (A) (19728) AR4S.	0604	6	....	6	12
2920-294- <del>3867</del>	SPARK PLUG (B) (19728) AR8S.	0604	6	....	6	12
2920-426-2010	ELEMENT, FILTER (81321) PD51.	0108	....	....	3	6
5310-141-1583	WASHER, FLAT: cover shoulder bolt, copper; 0.640 in. id., 0.750 in. od., 0.063 in. thk (81321) 30738.	0108	....	....	3	6
5330-246-2906	GASKET: air cleaner elbow (74865) 952062.	0304	....	....	1	1
5330-252-4078	WASHER, NONMETALLIC: fuel pump strainer bowl, cork, 1 55/64 in. id, 2 19/64 in. od, 1/8 in. thk (70040) 1523096.	0302	....	....	1	1
5330-599-1285	WASHER, NONMETALLIC: filter cover, rubber; 4.375 in. id, 5.125 in. od., 0.068 in. thk (81321) 258027.	0108	....	....	3	6
5910-127-8448	CAPACITOR, FIXED, PAPER DIELECTRIC: generator exciter bursh, No. F, $\mu$ f, 0.1 (28835) DW5133A.	4414	....	....	(1)	(1)
5910-284-4087	CAPACITOR, FIXED, PAPER DIELECTRIC: generator brush holder, 0.25 $\mu$ f (28835) DW5133AF.	4414	....	....	(1)	(1)
5910-666-8381	CAPACITOR, FIXED, PAPER DIELECTRIC: control panel (28835) DW5133AG.	4414	....	....	(1)	(1)

Table I. Prescribed Load Listing—Continued

Federal stock No.	Description	Functional group	Minimum stockage authorization	Unit of issue	15-day organizational maintenance allowances	
					1-5	6-10
5910-669-3913	CAPACITOR, FIXED, PAPER DIELECTRIC: auxiliary control panel .1 $\mu$ f, 500 v, ac/dc (28835) DW5133AA.	4414	.....	....	(1)	(1)
5930-161-6876	CAPACITOR, FIXED, PAPER DIELECTRIC: .1 $\mu$ f, 100 V, dc (28835) DW5133AB.	9901	.....	....	(1)	(1)

(b) No change in the range of items is authorized. If exception to the prescribed load listing or revision to allowances is considered necessary, a recommendation should be forwarded to the U.S. Army Mobility Support Center (par. 6).

(c) Decreases in the stated quantity of items other than combat essential items are authorized to a minimum quantity of one and increases in the stated quantity are authorized for all items when justified by demand and usage experience. Detailed procedures for performing these adjustments are prescribed in AR 735-35.

g. *Illustrations.* This column is subdivided into two columns as follows:

- (1) *Figure number.* Indicates the number of the illustration in which the part is shown.
- (2) *Item number.* Indicates the reference number used to point out the part in the illustration.

### 3. Index to Federal Stock Numbers and Manufacturers' Part Numbers

Listed alpha-numerically in the back of this manual are the requisitioning numbers shown in the Federal stock number and/or description column. The alphabetical O is listed as a numerical 0 (zero). This index also lists manufacturers' codes (as applicable) and page numbers.

*Example of index sequence:*

A	BX5-27	38.50
AA	T295	3838-141-4957
A1/2X3	0124	3885 212
A1-950	1-77	389/100.2
A1A22	2530-048-7342	389/100-18
B	2815-097-5429	3895-128-7642

### 4. Abbreviations

ac .....alternating current  
amp .....ampere(s)

AWG .....American Wire Gage  
dc .....direct current  
dia .....diameter(s)  
F .....Fahrenheit  
ft .....foot (feet)  
gal .....gallon(s)  
id .....inside diameter(s)  
in. ....inch(es)  
lb .....pound(s)  
lg .....length (long)  
mtg .....mounting(s)  
od .....outside diameter(s)  
sh .....sheet(s)  
thd .....thread(s) (ed)  
thk .....thick(ness)  
μf .....microfarad (s)  
v .....volt(s)  
w/ .....with  
yd .....yard

### 5. Index to Federal Supply Code for Manufacturers

00684....Nichols Metals Mfg. Co., Inc.  
04009....Arrow, Hart, and Hegeman Electric Co.  
11349....Century Electric Co.  
18163....Dole Valve Co.  
19728....Electric Auto-Lite Co.  
24161....Gates Rubber Co.  
28835....Hobart Brothers Co.  
70040....AC Spark Plug Division of General Motors Corp.  
70403....American Stamping Co.  
71500....Carter Carburetor Division of ACF Industries, Inc.  
74865....Chrysler Corp.  
81321....Purolator Products, Inc.  
81336....Corps of Engineers.

### 6. Comments and Suggestions

Report all deficiencies in this manual on DA Form 2028. Submit recommendations for changes, additions, or deletions to repair parts allocation and allowance factors and other data. Additional data on climatic and terrain conditions of operation, operational age of the equipment, and the hours operated in the period covered by item 7 of DA Form 2028 are desired. Submit to the Commanding Officer, U.S. Army Mobility Support Center, ATTN: SMOMS-MS, P. O. Box 119, Columbus 16, Ohio. Direct communication is authorized.

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	FIG. NO.	ITEM NO.		
								1-5 EQP	6-10 EQP			
				SECTION II. REPAIR PARTS LIST								
				GROUP 01 - ENGINE								
				0100 - ENGINE ASSEMBLY								
			P1	2805-353-8007	GASKET SET: engine overhaul (Includes components of GASKET SET, Stock No. 2805-560-9323)	"A" (74865) 1325983	1	*	*			
			X1	2910-366-6529	GASKET: carburetor flange	"A" (74865) 637191	1	See Group	0301			
			X1		GASKET: carburetor flange (1)	(74865) 561378	0					
			X1		GASKET: carburetor flange (1)	(74865) 637192	0					
			X1		GASKET: carburetor flange (1)	(74865) 651213	0					
			X1	2805-366-6424	GASKET: chain case cover (1)	(74865) 600752	0					
			X1	2805-737-3645	GASKET: chain case cover	"A" (74865) 1122450	1					
			X1		GASKET: chain case cover plate	"A" (74865) 695441	1					
			X1	2805-190-4219	GASKET: exhaust pipe flange (1)	(74865) 679023	0					
			X1		GASKET: exhaust pipe flange (1)	(74865) 683067	0					
			X1	2910-351-6360	GASKET: fuel pump flange	"A" (74865) 688482	1	See Group	0302			
			X1		GASKET: fuel pump flange (1)	(74865) 1117161	0					
			X1	5330-199-5742	GASKET: oil pressure relief valve cap	"A" (74865) 618622	1	See Group	0108			
			X1	2805-362-1266	GASKET: oil pump cover (1)	(74865) 50744	0					
			X1	5330-298-0765	GASKET: oil pump cover (1)	(74865) 866724	0					
			X1		GASKET: oil pump to cylinder block	"A" (74865) 695442	1					
			X1	5330-245-5503	GASKET: spark plug	"A" (74865) 150189	6	See Group	0604			
			X1	2930-215-5121	GASKET: water pump to cylinder block	"A" (74865) 637440	1	See Group	0504			
			X1	2805-353-8111	GASKET SET: manifold	"A" (74865) 780460	1	See Group	0110			
			X1	2805-353-8135	GASKET SET: oil pan	"A" (74865) 933438	1					
			X1	2805-172-9762	WASHER, NONMETALLIC: oil pump cover, rubber; 2.487 in. id, 2.601 in. od, 0.095 in. thk	"A" (74865) 1124984	1					
			P1	2805-620-0098	GASKET SET: engine overhaul (Includes components of GASKET SET, Stock No. 2805-024-2076)	"B" (74865) 1243636	1	*	*			
			X1	2910-575-3771	GASKET: carburetor adapter	"B" (74865) 562221	1	See Group	0301			
			X1	2910-366-6529	GASKET: carburetor flange	"B" (74865) 637191	1	See Group	0301			
			X1		GASKET: carburetor flange (1)	(74865) 637192	0					
			X1	2805-366-6424	GASKET: chain case cover (1)	(74865) 600752	0					
			X1	2805-737-3645	GASKET: chain case cover	"B" (74865) 1122450	1					
			X1		GASKET: chain case cover plate	"B" (74865) 695441	1					
			X1	2805-190-4219	GASKET: exhaust pipe flange (1)	(74865) 679023	0					
			X1	2805-298-0514	GASKET: exhaust pipe flange	"B" (74865) 683051	1	See Group	0401			
			X1	2910-351-6360	GASKET: fuel pump flange	"B" (74865) 688482	1	See Group	0302			
			X1	2910-773-5782	GASKET: fuel pump flange (1)	(74865) 688481	0					
			X1		GASKET: fuel pump flange (1)	(74865) 1117161	0					
			X1		GASKET: oil pan left	"B" (74865) 1138886	1					
			X1	5330-199-5742	GASKET: oil pressure relief valve cap	"B" (74865) 618622	1	See Group	0108			

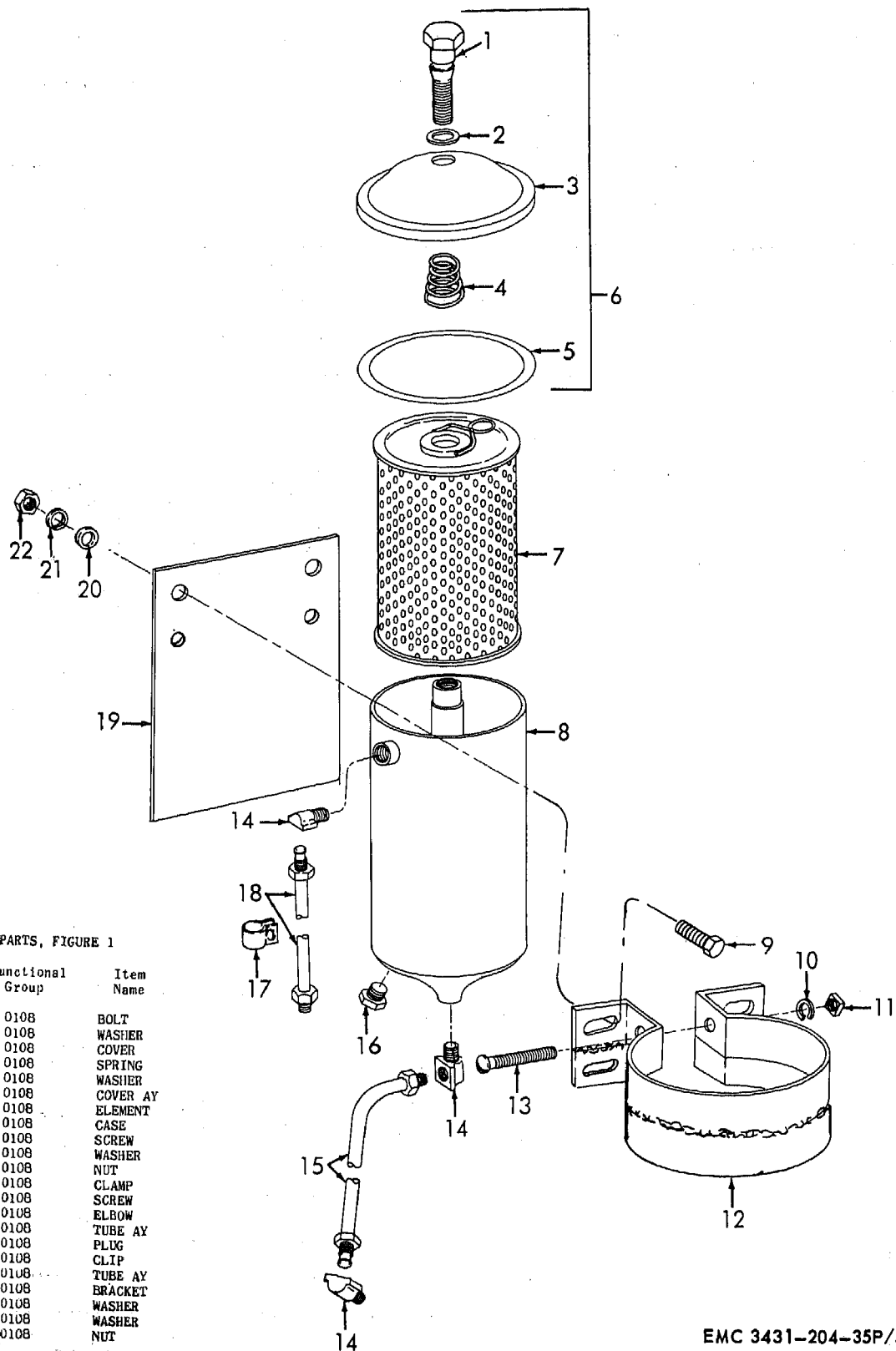
SOURCE CODES				FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABLE QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			FIG. ITEM NO.	
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVERABILITY					15 DAYS ORGANIZATIONAL MAINTENANCE				
								2ND ECH				
								1-5 EOP	6-10 EOP			
0100 - ENGINE ASSEMBLY (cont)												
					GASKET: oil pump cover (1)	(74865) 50744						
	X1			2805-362-1266	GASKET: oil pump cover (1)	(74865) 863724	0					
	X1			5330-298-0765	GASKET: oil pump to cylinder block	"B" (74865) 695442	0					
	X1			5330-245-5503	GASKET: spark plug	"B" (74865) 150189	1					
	X1			2930-215-5121	GASKET: water pump to cylinder block	"B" (74865) 637440	6		See Group 0604			
	X1			2805-173-0109	GASKET SET: manifold	"B" (74865) 700462	1		See Group 0504			
	X1			2805-559-1723	GASKET SET: oil pan	"B" (74865) 933439	1		See Group 0110			
	X1			2805-172-9762	WASHER, NONMETALLIC: oil pump cover, rubber; 2.487 in. id, 2.601 in. od, 0.095 in. thk	"B" (74865) 1124984	1					
	P 0			2805-024-2076	GASKET SET: engine valve grinding	"B" (74865) 1064735	1		*			
	X1			2805-047-4636	GASKET: cylinder head	"B" (74865) 1113745	1		See Group 0101			
	X1			2930-244-8159	GASKET: cylinder water outlet elbow	"B" (74865) 50082	1		See Group 0506			
	X1				GASKET SET: valve spring cover	"B" (74865) 980584	1		See Group 0105			
	X1			5330-298-0764	WASHER, NONMETALLIC: thermostat, rubber; 1 23/64 in. id, 1 55/64 in. od, 3/32 in. thk	"B" (74865) 863220	1		See Group 0506			
	X1				WASHER: water pump by-pass elbow	(74865) 622772	1		See Group 0503			
	P 0			2805-560-9323	GASKET SET: engine valve grinding	"A" (74865) 1325984	1		*			
	X1				GASKET: cylinder head	"A" (74865) 1117542	1		See Group 0101			
	X1			2930-244-8159	GASKET: cylinder water outlet elbow	"A" (74865) 50082	1		See Group 0506			
	X1			2805-173-0111	GASKET SET: valve spring cover	"A" (74865) 980583	1		See Group 0105			
	X1			5330-298-0764	WASHER, NONMETALLIC: thermostat, rubber; 1 23/64 in. id, 1 55/64 in. od, 3/32 in. thk	"A" (74865) 863220	1		See Group 0506			
	X1				WASHER: water pump by-pass elbow	"A" (74865) 622772	1		See Group 0503			
0101 - CRANKCASE, BLOCK, CYLINDER HEAD												
	X2 0			5306-374-3894	BOLT, EXTERNALLY RELIEVED BODY: cylinder head mtg	(74865) 666014	4		*			
	X2 0			5306-374-3904	BOLT, EXTERNALLY RELIEVED BODY: cylinder head mtg	(74865) 692857	15		*			
55	X2 0			4820-276-9040	COCK, DRAIN: cylinder block, Type C, brass; plain, 1/4-18 thd size	(74865) 103647	1		*			
	X1			2805-047-4636	GASKET: cylinder head (Component of GASKET SET, Stock No. 2805-024-2076 and Stock No. 2805-620-0098, See Group 0100)	"B" (74865) 1113745	1					
	P 0			2805-353-8061	GASKET: cylinder head (Used with ENGINE ASSEMBLY, Stock No. (28835) 3DW265 Serial No. 58195 up)	"A" (74865) 1401345	1		*			
	X1				GASKET: cylinder head (Component of GASKET SETS, Stock No. 2805-560-9323 and Stock No. No. 2805-353-8007, See Group 0100) (Used with ENGINE ASSEMBLY, Stock No. (28835) 3DW265 up to Serial No. 58195)	"A" (74865) 1117542	1					
	X2 0			2805-353-8019	HEAD, CYLINDER: w/core hole plug (Used with ENGINE ASSEMBLY, Stock No. (28835) DW6369, Serial No. 50,000 up)	"B" (74865) 1313823	1		*			

[illegible]



INDEX TO PARTS, FIGURE 1

Reference Number	Functional Group	Item Name
1	0108	BOLT
2	0108	WASHER
3	0108	COVER
4	0108	SPRING
5	0108	WASHER
6	0108	COVER AY
7	0108	ELEMENT
8	0108	CASE
9	0108	SCREW
10	0108	WASHER
11	0108	NUT
12	0108	CLAMP
13	0108	SCREW
14	0108	ELBOW
15	0108	TUBE AY
16	0108	PLUG
17	0108	CLIP
18	0108	TUBE AY
19	0108	BRACKET
20	0108	WASHER
21	0108	WASHER
22	0108	NUT



EMC 3431-204-35P/5

Figure 1. Oil Filter.

SOURCE CODES		FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS		
TECHNICAL SERVICE	MAINTENANCE						RECOVERABILITY	15 DAYS ORGANIZATIONAL MAINTENANCE	FIG. NO.	ITEM NO.		
											2ND ECH	6-10 EQP
			0108 - ENGINE LUBRICATION SYSTEM (cont)									
	X2	0	2805-294-9999	BREATHER: air cleaner			"A" (74865) 1316371		*			
	X2	0	2940-173-1783	CLAMP, OIL FILTER			(74865) 920260		*		12	
	X2	0		CLIP: engine to oil filter tube			"A" (74865) 608473		*		17	
	X2	0	4730-277-8273	ELBOW, PIPE TO TUBE: oil filter bottom outlet, brass; one end male, 1/8-27 thd size; other end female, 1/4 in. tube, 7/16-24 thd size			"A" (74865) 225810		*		14	
	X2	0	4730-277-8273	ELBOW, PIPE TO TUBE: oil filter, oil filter outlet and inlet tube, brass; one end male, 1/8-27 thd size; other end female, 1/4 in. tube, 7/16-24 thd size					*			
	X2	0	2940-309-9919	FILTER ASSEMBLY, OIL			"B" (74865) 225810		*			
	X1			CASE, FILTER			(81321) 27160		*		1	
	X2	0	2940-215-7141	COVER ASSEMBLY, OIL FILTER			(81321) 26708-1		*		8	
	X2	0	5306-360-7964	BOLT, SHOULDER: filter cover			(81321) 25791		*		6	
	X1			COVER, FILTER			(81321) 25755		*		1	
	X2	0	2940-292-1139	SPRING, HELICAL, COMPRESSION: filter element			(81321) 25801		*		3	
	P	0	5310-141-1583	WASHER, FLAT: cover shoulder bolt, copper; 0.640 in. id, 0.750 in. od, 0.063 in. thk			(81321) 25757		*		4	
	P	0	5330-599-1285	WASHER, NONMETALLIC: filter cover, rubber; 4.375 in. id, 5.125 in. od, 0.068 in. thk			(81321) 30738		3	6	2	
	P	0	2920-426-2010	ELEMENT, FILTER			(81321) 258027		3	6	5	
	X2	0	4730-011-2578	PLUG, PIPE: oil filter drain, brass or bronze; 1/4-18 thd size (GE)			(81321) PD51		3	6	7	
	X2	0	6680-475-6576	GAGE ROD: w/drain pipe assembly			(81321) 25795		*		16	
	X2	0	3432-393-6593	ADAPTER, OIL DRAIN PLUG			"B" (28835) DW977		*			
	X2	0	4730-187-7612	COUPLING, PIPE: oil drain, galvanized; both ends female, 1/2-14 thd size (GE)			"B" (28835) DW1003A		*		7	
	X2	0		GAGE, OIL: bayonet type			"B"		*			
	P1	0	2805-527-7712	GASKET: oil drain			"B" (28835) DW1354		*		12	
	X2	0	4730-265-6905	NIPPLE, PIPE: oil drain, 1/2-14 thd size; 2 1/2 in. lg (GE)			"B" (28835) 472		*		3	
	M	0		PIPE: oil drain			"B"		*		11	
	P	0	4710-162-1018	PIPE, STEEL: galvanized; 0.500 in. id (GE) (5 7/8 in. required)	FT		"B" (28835) DW978		*			
	M	0		PIPE: oil gage bayonet			"B" (28835) DW979		*		5	
	P	0	4710-162-1018	PIPE, STEEL: galvanized; 0.500 in. id (GE) (7 1/2 in. required)	FT		"B" (28835) DW1003B		*			
	X2	0	2805-354-2315	PLUG, OIL DRAIN			"B" (28835) DW1003B		*			
	X2	0	4730-278-3412	PLUG, PIPE: oil drain, 1/2-14 thd size (GE)			"B"		*		13	
	X2	0	4730-142-1629	PLUG, PIPE: oil gage, 3/4-14 thd size (GE)			"B"		*		2	
	X2	0	4730-227-6929	REDUCER, PIPE: oil gage; one end female, 3/4-14 thd size; other end female, 1/2-14 thd size (GE)			"B"		*		4	
	X2	0	4730-257-2119	TEE, PIPE: oil gage and drain, galvanized; oil ends female, 1/2-14 thd size			"B"		*			

INDEX TO PARTS, FIGURE 2

Reference Number	Functional Group	Item Name
1	0108	GAGE
2	0108	PLUG
3	0108	GAGE
4	0108	REDUCER
5	0108	PIPE
6	0108	GASKET
7	0108	ADAPTER
8	0108	PLUG
9	0108	PIPE
10	0108	TEE
11	0108	NIPPLE
12	0108	COUPLING
13	0108	PLUG

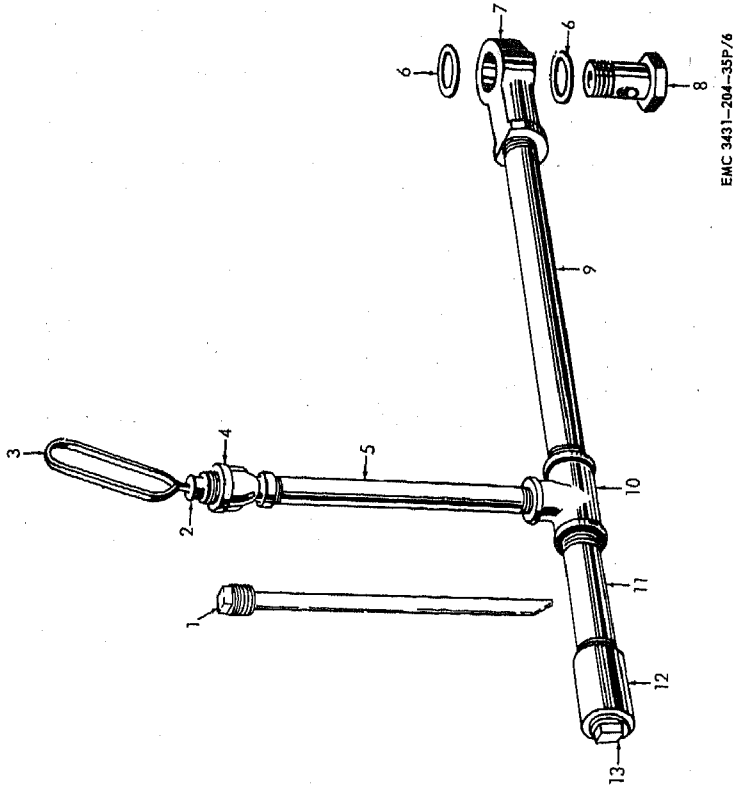
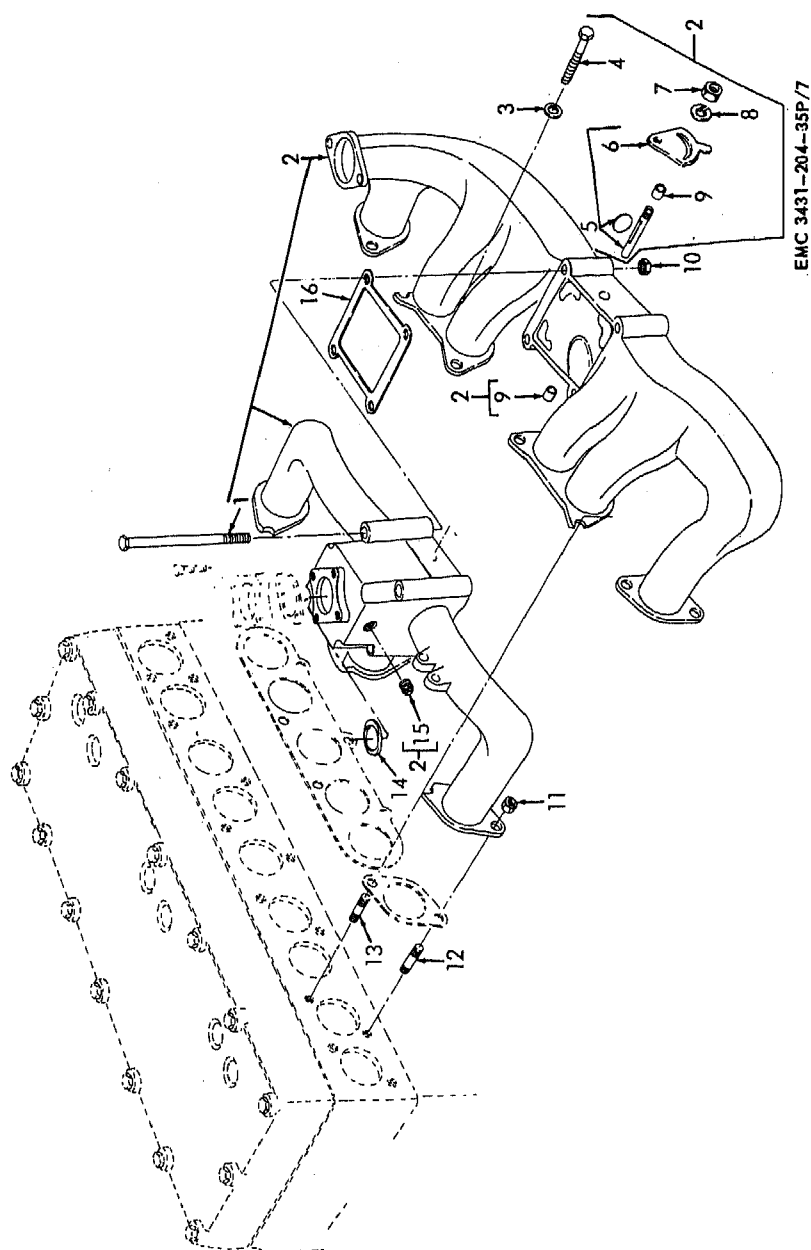


Figure 2. Engine Oil Gage and Drain Pipe.

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS		
TECHNICAL SERVICE	SOURCE	MAINTENANCE						RECOVERABILITY	15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	6-10 EQP	FIG. NO.	ITEM NO.
					0108 - ENGINE LUBRICATION SYSTEM (cont)								
	M	O			GASKET: crankcase ventilator outlet pipe MANUFACTURE FROM: (74865) 301034			1					
	P	O		5330-233-5947	PAPER, GASKET (GE) (3 in. x 3 in. required)								
	X1			5330-199-5742	GASKET: oil pressure relief valve cap (Component of GASKET SETS, Stock No. 2805-353-8007 and Stock No. 2805-620-0098, See Group 0100)	YD		1	See Group	9501			



SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	FIG. NO.		ITEM NO.
				0108 - ENGINE LUBRICATION SYSTEM (cont)								
	P1	0	5340-644-3197	SPRING, HELICAL, COMPRESSION: oil pressure relief valve, standard, painted blue (Used with ENGINE ASSEMBLY, Stock No. (28835) DW6369, Serial No. 50,000 up)	"B" (74865) 1119205		1	*	*			
	P1	0	2805-268-1109	SPRING, HELICAL, COMPRESSION: oil pressure relief valve, standard painted red	"B" (74865) 1121250		1	*	*			
	M	0		TUBE ASSEMBLY: engine to oil filter	(74865) 861610		1				1 15	
	X2	0	4730-288-9387	MANUFACTURE FROM: INVERTED NUT, TUBE COUPLING: zinc plated; 1/4 in. tube, 7/16-24 thd size	(74865) 137397		2	*	*			
	P	0	4710-277-5525	TUBE, COPPER (15 1/2 in. required)		FT	1	See Group 9501			1 18	
	X2	0	4730-288-9387	TUBE ASSEMBLY: filter to engine outlet	(74865) 861584		1	*	*			
	X2	0		INVERTED NUT, TUBE COUPLING: oil filter tube, zinc plated; 1/4 in. tube, 7/16-24 thd size	(74865) 137397		2	*	*			
	X2	0		WASHER, FLAT: crankcase air cleaner mtg, cadmium plated; plain steel, large, 5/16 in. id	(74865) 120387		1	*	*			
	X2	0		WASHER, FLAT: oil filter mtg, cadmium or zinc-chromate; 0.375 in. id, 0.875 in. od, 0.083 in. thk	(74865) 120387		4	*	*		1 20	
9	X2	0	5310-637-9541	(Supplied under Stock No. 5310-209-0710)			2	*	*		1 21	
9	X2	0	5310-012-0214	WASHER, LOCK: oil filter bracket mtg, cadmium-chromate; 0.382 in. id, 0.688 in. od, 0.094 in. thk	(74865) 120382		1	*	*		1 10	
				WASHER, LOCK: oil filter clamp, cadmium or zinc-chromate; 0.319 in. id, 0.591 in. od, 0.078 in. thk	(74865) 120214		1	*	*			
				0110 - MANIFOLDS								
9	X2	0	5306-286-5784	BOLT, MACHINE: manifold, 3/8-24 thd size; 4 in. lg	"B" (74865) 126167		4	*	*			
	X1		2805-173-0109	GASKET SET: manifold (Component of GASKET SET, Stock No. 2805-620-0098, See Group 0100)	"B" (74865) 780462		1					
	X1			GASKET: intake and exhaust manifold center	"B" (74865) 666353		1					
	X1		5330-190-4218	GASKET: intake and exhaust manifold end	"B" (74865) 666354		4					
	X1		2805-353-8111	GASKET SET: manifold (Component of GASKET SET, Stock No. 2805-353-8007, See Group 0100)	"A" (74865) 780460		1					
	X1			GASKET: intake and exhaust manifold center	"A" (74865) 601275		1					
	X1			GASKET: intake and exhaust manifold end	"A" (74865) 318042		4					
	X2	0	2805-388-7810	MANIFOLD ASSEMBLY, INTAKE AND EXHAUST	"B" (74865) 1326637		1	*	*			
9	X2	0	5306-268-5784	BOLT, MACHINE: manifold to manifold, 3/8-24 thd size; 4 in. lg	"B" (74865) 126167		4	*	*			
	P	0	2805-366-6449	GASKET: intake to exhaust manifold	"B" (74865) 666352		1	*	*			
	X2	0		MANIFOLD, INTAKE	"B" (74865) 1121704		1	*	*			
9	X2	0	5310-021-8589	NUT, PLAIN, HEXAGON: manifold to manifold bolt, brass; 3/8-24 thd size	"B" (74865) 114457		4	*	*			



**Figure 3. Manifolds.**

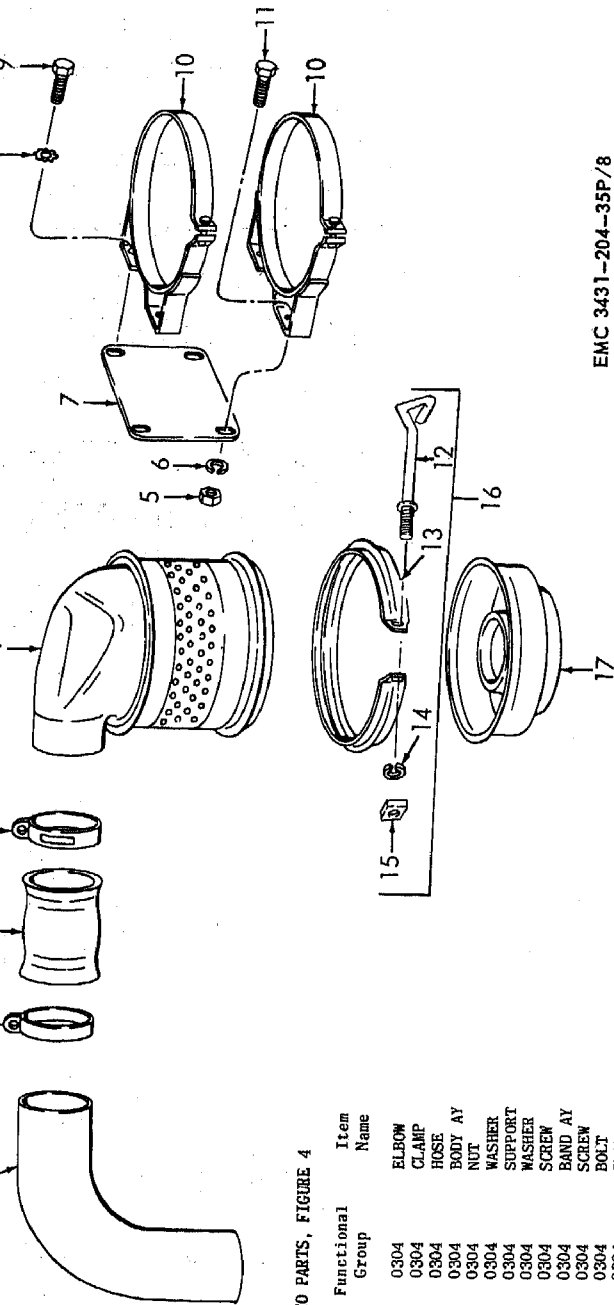
## INDEX TO PARTS, FIGURE 3

Reference Number	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	BOLT	5	0110	SHAFT AY	9	0110	BEARING	13	0101	STUD
2	MANIFOLD AY	6	0110	PLATE	10	0110	WASHER	14	0110	RING
3	WASHER	7	0110	NUT	11	0110	NUT	15	0110	PLUG
		8	0110	WASHER	12	0101	STUD	16	0110	GASKET

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	ITEM NO.	
				0110 - MANIFOLD (cont)							
	X2	0	4730-278-3039	PLUG, PIPE: intake manifold, 3/8-18 thd size				"B" (74865) 103867			
	X2	0	2805-376-9283	RING, FUEL CENTRALIZER				"A" (74865) 1122465			3 15
	X2	0	2805-397-9291	MANIFOLD ASSEMBLY: intake and exhaust				"A" (74865) 1122193			3 14
	P1	0	2805-353-8093	BEARING, SLEEVE: manifold heat control valve shaft				"A" (74865) 651251			3 2
	X2	0	5306-272-4270	BOLT, MACHINE: intake to exhaust manifold, 5/16-18 thd size; 2 1/2 in. lg				"A" (74865) 317942			3 9
	P	0	2805-353-8086	GASKET: intake to exhaust manifold				"A" (74865) 601420			3 1
9	X2	0	5310-011-4545	NUT, PLAIN, HEXAGON: manifold heat control valve, brass; 1/4-28 thd size				"A" (74865) 114545			3 16
	X2	0	4730-278-3039	PLUG, PIPE: intake manifold, 3/8-18 thd size (GE)				"A" (74865) 103867			3 7
9	X2	0	5305-527-3895	SCREW, CAP, HEXAGON HEAD: manifold, cadmium or zinc-chromate; 3/8-16 thd size; 3 in. lg				"A" (74865) 122207			3 4
	X2	0		SHAFT ASSEMBLY: heat control valve				"A" (74865) 614976			3 5
	X2	0		PLATE, ADJUSTING: heat control valve				"A" (74865) 604504			3 6
	X2	0	5307-014-7716	STUD, PLAIN: manifold heat control valve, cadmium or zinc plated; one end 1/4-20 thd size; other end, 1/4-28 thd size; 1 in. lg				"A" (74865) 614976			3 4
9	X2	0	5310-194-1540	WASHER, FLAT: manifold heat control, cadmium or zinc-chromate; 0.281 in. id, 0.625 in. od, 0.065 in. thk				"A" (74865) 614976			3 5
9	X2	0	5310-012-1753	WASHER, LOCK: manifold heat control valve, cadmium or zinc plated; 0.262 in. id, 0.502 in. od, 0.025 in. thk				"A" (74865) 121753			3 8
9	X2	0	5310-010-3026	NUT, PLAIN, HEXAGON: exhaust manifold mtg, 3/8-24 thd size				"A" (74865) 114547			3 10
9	X2	0	5310-021-8589	NUT, PLAIN, HEXAGON: manifold mtg, brass; 3/8-24 thd size				"B" (74865) 114547			3 11
9	X2	0	5305-018-6283	SCREW, CAP, HEXAGON HEAD: manifold, 3/8-16 thd size; 3 1/2 in. lg				"B" (74865) 114547			3 11
9	X2	0	5307-011-3247	STUD, PLAIN: carburetor mtg, cadmium or zinc plated; one end, 3/8-16 thd size; other end, 3/8-24 thd size; 1 7/16 in. lg				(74865) 113247			5 10
	X2	0	5310-353-8073	WASHER, CLINCH RING: manifold clamp, 13/32 in. id, 1 in. od				"B" (74865) 43699			3 3
9	X2	0	5310-188-4234	WASHER, FLAT: manifold clamp, 13/32 in. id, 7/8 in. od, 1/8 in. thk				"A" (74865) 567331			3 3
	X2	0	5310-276-3034	WASHER, RECESSED: exhaust manifold stud, brass; 7/16 in. id, 3/4 in. od, 1/4 in.				(74865) 623368			3 3
				GROUP 03 - FUEL SYSTEM 0301 - CARBURETOR							
	X2	0		ADAPTER, CARBURETOR FLANGE				"B" (74865) 1069119			
	X2	0	2910-353-8134	ADAPTER, FLANGE: carburetor				"A" (74865) 920248			5 7
	P	0	2910-358-4540	CARBURETOR, FLOAT				(74865) 1317258			5 5
	P	0	2910-145-0220	GASKET: carburetor body				(71500) 121-69			1
	X1		2910-575-3771	GASKET: carburetor adapter				"B" (74865) 562221			5 8
				(Component of GASKET SET, Stock No. 2805-620-0098, See Group 0100)							
	P	0	2910-575-3771	GASKET: carburetor adapter flange				"A" (74865) 562221			

	X1		2910-366-6529	GASKET: carburetor flange (Component of GASKET SETS, Stock No. 2805-353-8007, and Stock No. 2805-620-0098, See Group 0100)	(74865) 637191		1		5	9
9	X2	0	5310-022-5831	NUT, PLAIN, HEXAGON: carburetor mtg, cadmium or zinc plated; 3/8-24 thd size	(74865) 120369		2	*	*	11
9	X2	0	5305-013-3906	SCREW, MACHINE: carburetor adapter mtg, cadmium or zinc-chromate; 3/8-16 thd size; 1 1/4 in. lg	(74865) 133906		1	*	*	6
9	X2	0	5310-582-5965	WASHER, LOCK: carburetor mtg, cadmium-chromate; 0.255 in. id, 0.493 in. od, 0.062 in. thk			2	*	*	
				0302 - FUEL PUMPS						
9	X2	0	5306-266-6275	BOLT, MACHINE: fuel pump mtg, cadmium or zinc plated; 5/16-18 thd size; 1 1/4 in. lg			2	*	*	5 25
	X1		2910-351-6360	GASKET: fuel pump flange (Component of GASKET SETS, Stock No. 2805-353-8007 and Stock No. 2805-620-0098, See Group 0100)	(74865) 688482		1			5 29
9	X2	0	5310-146-8442	NUT, PLAIN, WING: fuel pump heat shield, cadmium plated; Type A, S, No. 10-32 thd size			1	*	*	
	P	0	2910-364-2776	PUMP, FUEL: gasoline engine	(70040) 1537228		1	*	*	5 13
	P	0	5330-252-4078	WASHER, NONMETALLIC: fuel pump strainer bowl, cork, 1 55/64 in. id, 2 19/64 in. od, 1/8 in. thk	(70040) 1523096		1	1	1	
	X2	0	2910-358-5345	SHIELD: heat, fuel pump	(74865) 1071656		1	*	*	
	X2	0		STUD: fuel pump heat shield	(74865) 683861		1	*	*	
9	X2	0	5310-043-2226	WASHER, LOCK: fuel pump heat shield, cadmium or zinc-chromate; 0.194 in. id, 0.337 in. od, 0.047 in. thk	(74865) 120217		1	*	*	
9	X2	0	5310-012-0214	WASHER, LOCK: fuel pump mtg, cadmium or zinc-chromate; 0.319 in. id, 0.591 in. od, 0.078 in. thk	(74865) 120214		2	*	*	5 26
				0304 - AIR CLEANER						
	X2	0		AIR CLEANER ASSEMBLY	(00684) E7765		1	*	*	
	X2	0		BAND ASSEMBLY	(00684) P2147		2	*	*	4 10
	X2	0		BODY ASSEMBLY	(00684) 2F3443		1	*	*	4 4
	X1			BAFFLE, BACKFIRE	(00684) P3081		1			
	X1			BODY, AIR CLEANER	(00684) P3080		1			
	X1			COVER ASSEMBLY	(00684) P5794		1			
	X1			COVER	(00684) 2F1964		1			
	X1			TUBE, OUTLET	(00684) P2051		1			
	X2	0		SCREEN: air cleaner	(00684) P1973		1	*	*	
	X2	0		SCREEN: air cleaner	(00684) P2043		8	*	*	
	X1			SKIRT ASSEMBLY	(00684) P5790		1			
	X1			SKIRT, OUTER, LOWER	(00684) P2034		1			
	X1			SKIRT, OUTER, UPPER	(00684) P2049		1			
	X2	0		CLAMP ASSEMBLY: oil cup retaining	(00684) P2989		1	*	*	4 16
	X2	0		BOLT, CLAMP	(00684) P2690		1	*	*	4 12
	X1			CLAMP: oil cup retaining	(00684) P3002		1			
	X2	0		NUT, SQUARE: clamp assembly	(00684) P5300		1	*	*	4 15
	X2	0		WASHER	(00684) P2949		1	*	*	4 14
	X2	0		CUP ASSEMBLY, OIL	(00684) P3342		1	*	*	4 17





INDEX TO PARTS, FIGURE 4

Reference Number	Functional Group	Item Name
1	0304	ELBOW
2	0304	CLAMP
3	0304	HOSE
4	0304	BODY AY
5	0304	NUT
6	0304	WASHER
7	0304	SUPPORT
8	0304	WASHER
9	0304	SCREW
10	0304	BAND AY
11	0304	SCREW
12	0304	BOLT
13	0304	CLAMP
14	0304	WASHER
15	0304	NUT
16	0304	CLAMP AY
17	0304	CUP AY

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Figure 4. Air Cleaner.

SOURCE CODES	TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVERABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
										15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	6-10 EQP	FIG. NO.	ITEM NO.
						0304 - AIR CLEANER (cont)								
X1						BAFFLE, OIL								
X1						CUP, OIL								
X2					4730-358-5965	CLAMP, HOSE: air cleaner hose, 1 to 3 in. id (GE)			1					
X2					2940-429-1031	ELBOW, AIR CLEANER			3	*	*	*	4	2
P					5330-246-2906	GASKET: air cleaner elbow			1	*	*	*	4	1
P1					5330-246-2966	HOSE, AIR CLEANER: preformed			1	1	1	1		
X2					5310-637-0110	NUT, PLAIN, HEXAGON: air cleaner bracket, cadmium plated; 1/4-20 thd size			1	*	*	*	4	3
									4	*	*	*	4	5

9	X2	0		5305-012-3382	SCREW, CAP, HEXAGON HEAD: air cleaner bracket to engine, cadmium or zinc-chromate; 3/8-24 thd size; 1/2 in. lg																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
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## INDEX TO PARTS, FIGURE 5

EMC 3431-204-35P/9

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	FIG. NO.	ITEM NO.	
				0306 - TANKS, LINES, FITTINGS (cont)								
9	X2	0	5310-010-2634	NUT, PLAIN, HEXAGON: fuel tank strap to tank, 5/16-18 thd size	"A"		2	*			5	20
9	X2	0	5310-584-5005	NUT, PLAIN, HEXAGON: fuel tank support mtg, upper, cadmium or zinc-chromate; 1/4-20 thd size	"A"		2	*			5	23
	X2	0	5330-298-5444	PACKING, MATERIAL: fuel tank strap	"A" (28835) 5CW1236		2	*			5	4
9	X2	0	5305-012-3737	SCREW, CAP, HEXAGON HEAD: fuel tank support mtg, upper, cadmium or zinc-chromate; 1/4-28 thd size; 1 1/4 in. lg	"A"		2	*			5	33
9	X2	0	5305-012-0680	SETSCREW: safety gas tank cap, 1/4-20 thd size; 1/2 in. lg	"A" (28835) AW397		2	*			5	19
	X2	0	3431-731-8473	SPACER: fuel tank support to housing	"A" (28835) 5CW1226		2	*			5	2
	X2	0		STRAP, FUEL TANK	"A" (28835) DDW211		1	*			5	22
	X2	0		SUPPORT, GAS TANK	"A" (28835) 5CW1139		1	*			5	1
	X2	0	2910-377-5291	TANK, FUEL	"B" (28835) 5CW981		1	*			7	2
9	X2	0	2910-804-7381	TANK, FUEL, ENGINE								
	X2	0	5310-012-0214	WASHER, LOCK: fuel tank strap to tank; cadmium or zinc plated; 0.319 in. id, 0.591 in. od, 0.078 in. thk	"A"		2	*			5	21
9	X2	0	5310-010-3320	WASHER, LOCK: fuel tank support mtg, lower and battery cable clamp mtg, 0.319 in. id, 0.591 in. od, 0.078 in. thk	"A"		2	*			5	28
9	X2	0	5310-582-5965	WASHER, LOCK: fuel tank support mtg, upper, cadmium-chromate; 0.255 in. id, 0.493 in. od, 0.062 in. thk	"A"		2	*			5	24
				0308 - ENGINE SPEED GOVERNOR								
	P	0	3030-180-2127	BELT, V: governor drive	(24161) 3330		1	*				
9	X2	0	5306-010-0124	BOLT, MACHINE: governor mtg, 5/16-18 thd size; 1 1/2 in. lg	(28835) DM5490A		2	*			20	7
	P1	0	2990-374-5062	GOVERNOR, GASOLINE ENGINE			1	*			20	5
9	X2	0	5310-660-2649	NUT, PLAIN, HEXAGON: control rod to carburetor, 1/4-28 thd size			1	*			20	3
9	X2	0	5310-010-2634	NUT, PLAIN, HEXAGON: governor mtg screw, 5/16-18 thd size	(28835) 5CW701		2	*			20	4
	X2	0	2990-447-4279	ROD, HORIZONTAL: slip joint, governor to carburetor			1	*				
9	X2	0	5310-010-3319	WASHER, LOCK: carburetor governor rod, 0.255 in. id, 0.493 in. od, 0.062 in. thk			2	*				
9	X2	0	5310-010-8579	WASHER, LOCK: governor mtg screw, 0.319 in. id, 0.601 in. od, 0.097 in. thk			2	*			20	6
				0309 - FUEL FILTERS								
	X2	0	2910-204-3390	FILTER, FLUID PRESSURE: fuel (includes components of PACKAGE KIT, Stock No. (71500) F30-66U)	(71500) F8625		1	*			5	15
	X1			BODY, FILTER	(71500) F0729		1					
	X1			BOWL, FUEL FILTER (metal)	(71500) F23-41		1					
	X1			RETAINER AND SCREW: bowl	(71500) F63-146S		1					
	X1		5340-358-5355	SPRING, HELICAL, COMPRESSION	(71500) F61-379		1					
	X1			PACKAGE KIT	(71500) F30-66U		1					
	A	0		ELEMENT, FILTER (ceramic)	(71500) F30-60		1	*				
	P1		2310-495-1614									

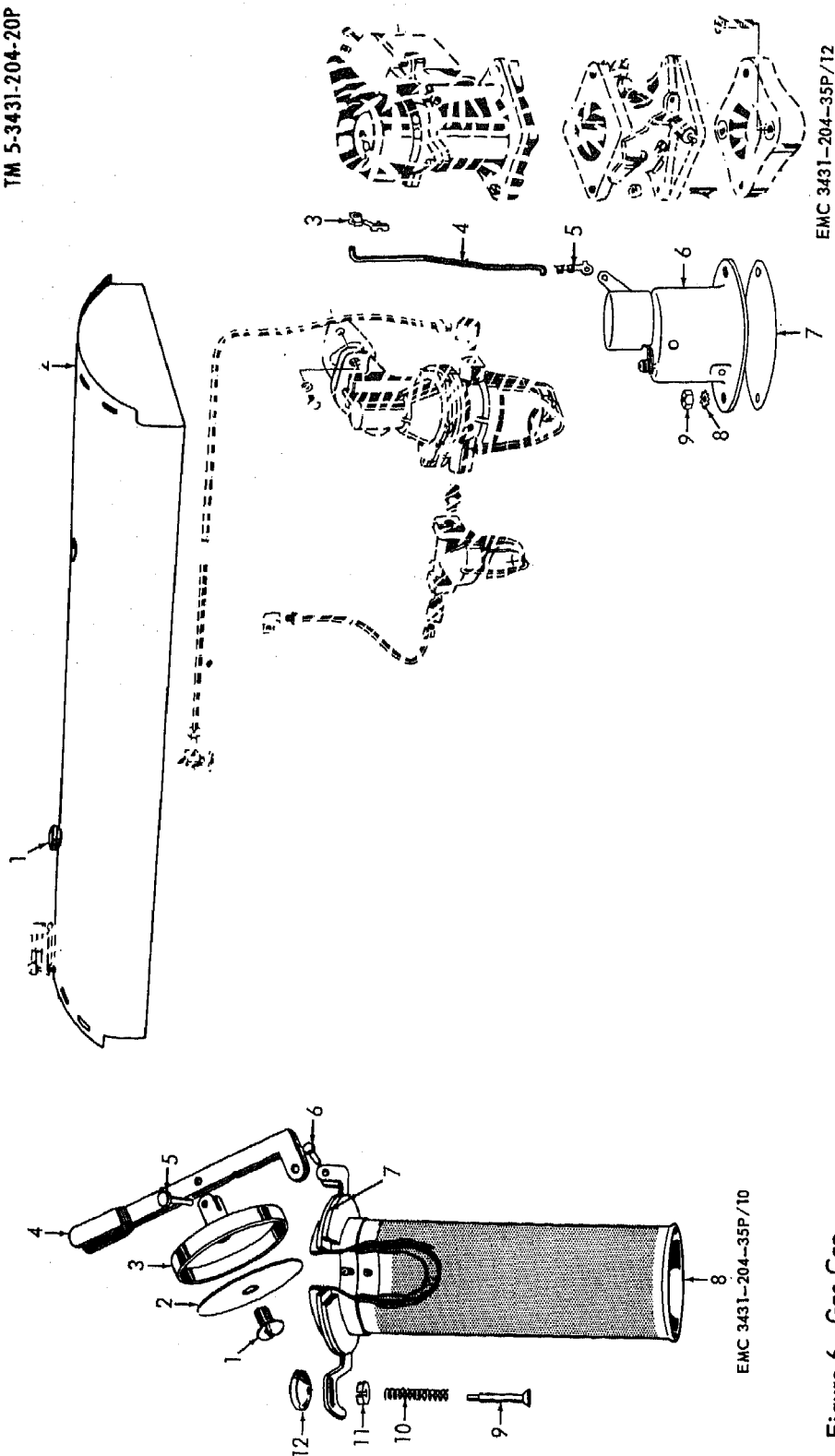


Figure 6. Gas Cap.

INDEX TO PARTS, FIGURE 6

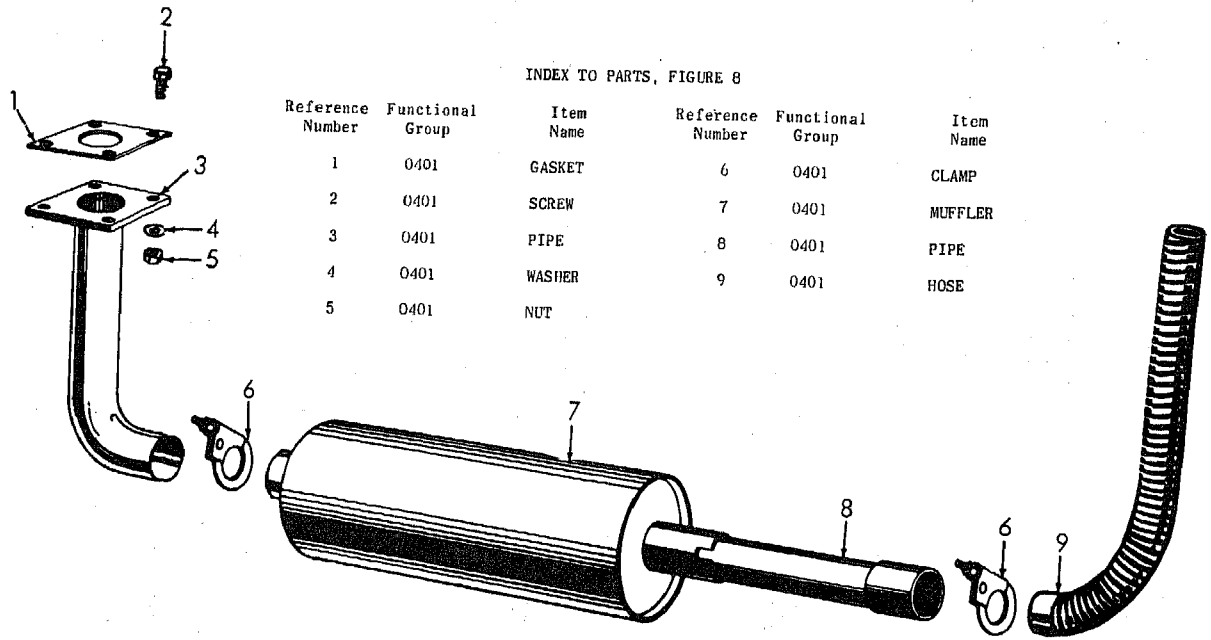
Reference Number	Functional Group	Item Name
1	0306	SCREW
2	0306	PACKING
3	0306	CAP
4	0306	BAR
5	0306	RIVET
6	0306	RIVET
7	0306	PACKING
8	0306	SCREEN-FLANGE
9	0306	RIVET
10	0306	SPRING
11	0306	WASHER
12	0306	WASHER

INDEX TO PARTS, FIGURE 7

Reference Number	Functional Group	Item Name
1	4702	INDICATOR
2	0306	TANK
3	0312	CLIP
4	0312	ROD
5	0312	ROD
6	0312	CONTROL AY
7	0312	GASKET
8	0312	WASHER
9	0312	NUT

Figure 7. Fuel Tank and Control for Symbol (B).

SOURCE CODES				FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS		
TECHNICAL SERVICE	SOURCE	MAINTENANCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	FIG. NO.	ITEM NO.			
												1-5 EQP	2ND ECH	6-10 EQP
					0309 - FUEL FILTERS (cont)									
	P	0			GASKET	(71500) F23A20		1	1	1				
					0312 - ACCELERATOR, THROTTLE OR CHOKE CONTROLS									
	X2	0			BRACKET ASSEMBLY, CHOKE: carburetor choke tube	"B" (74865) 651194		1	*	*				
	M	0			CABLE: automatic choke feed	"B" (74865) 211318		1						
					MANUFACTURE FROM:									
	X2	0			SLEEVE, CABLE	"B" (74865) 926026		2	*	*				
11	X2	0			TERMINAL, LUG: copper, tinned finish; No. 12 to 10 AWG, for No. 10 screw size	(74865) 200393		2	*	*				
9	P	0			WIRE, ELECTRICAL: copper, tinned finish; No. 16 AWG, stranded conductor (27 in. required)	"B" (74865) 871100	FT	2	*	*				
	X2	0			CLIP: automatic choke feed, cable	"B" (74865) 871100		2	*	*				
					(Located on No. 7 and No. 21 cylinder head screws)									
	X2	0			CLIP, CARBURETOR CHOKE ROD: upper	(74865) 629792		1	*	*		7 3		
	X2	0			CONTROL ASSEMBLY: automatic	"B" (74865) 671179			*	*		6		
	X2	0			CONTROL ASSEMBLY, PUSH-PULL: choke	"A" (74865) 50M1250		1	*	*		17 16		
	X2	0			GASKET: automatic choke	"B" (74865) 647834		1	*	*		7 7		
9	X2	0			NUT, PLAIN, HEXAGON: automatic choke mtg, brass; 1/4-28 thd size	"B" (74865) 114545		2	*	*		9		
	X2	0			ROD: automatic choke	"B" (28935) 50W711		1	*	*		7 4		
	X2	0			ROD, SPRING CLIP: choke rod, lower	"B" (74865) 612492		1	*	*		7 5		
9	X2	0			SCREW, CAP, HEXAGON HEAD: automatic choke feed cable clip, cadmium or zinc plated; 3/8-24 thd size; 1/2 in. lg	"B" (74865) 123382		2	*	*				
	X2	0			SCREW, MACHINE: automatic choke terminal, cadmium or zinc plated; No. 8-32 thd size; 3/8 in. lg	"B" (74865) 121832		1	*	*				
9	X2	0			SCREW, MACHINE: choke tube bracket, cadmium or zinc plated; No. 8-32 thd size; 5/16 in. lg	"B" (74865) 651192		1	*	*				
	X2	0			SPRING, TENSION CARBURETOR: choke pull back	"A" (74865) 651192		1	*	*				
	X2	0			STUD, PLAIN: automatic choke attaching, one end, 1/4-20 thd size; other end, 1/4-28 thd size; 11/16 in. lg	"B" (74865) 657047		2	*	*				
9	X2	0			WASHER, FLAT: automatic choke feed cable screw, cadmium or zinc-chromate; 0.406 in. id, 0.812 in. od, 0.065 in. thk	"B" (74865) 120394		2	*	*				
9	X2	0			WASHER, LOCK: automatic choke feed cable screw, cadmium-chromate; 0.382 in. id, 0.688 in. od, 0.094 in. thk	"B" (74865) 120382		2	*	*				
9	X2	0			WASHER, LOCK: automatic choke mtg, cadmium or zinc-chromate; 0.262 in. id, 0.502 in. od, 0.025 in. thk	"B" (74865) 121753		2	*	*		7 8		
9	X2	0			WASHER, LOCK: automatic choke terminal, cadmium or zinc-chromate; 0.172 in. id, 0.373 in. od, 0.020 in. thk	"B" (74865) 121753		1	*	*				



INDEX TO PARTS, FIGURE 8

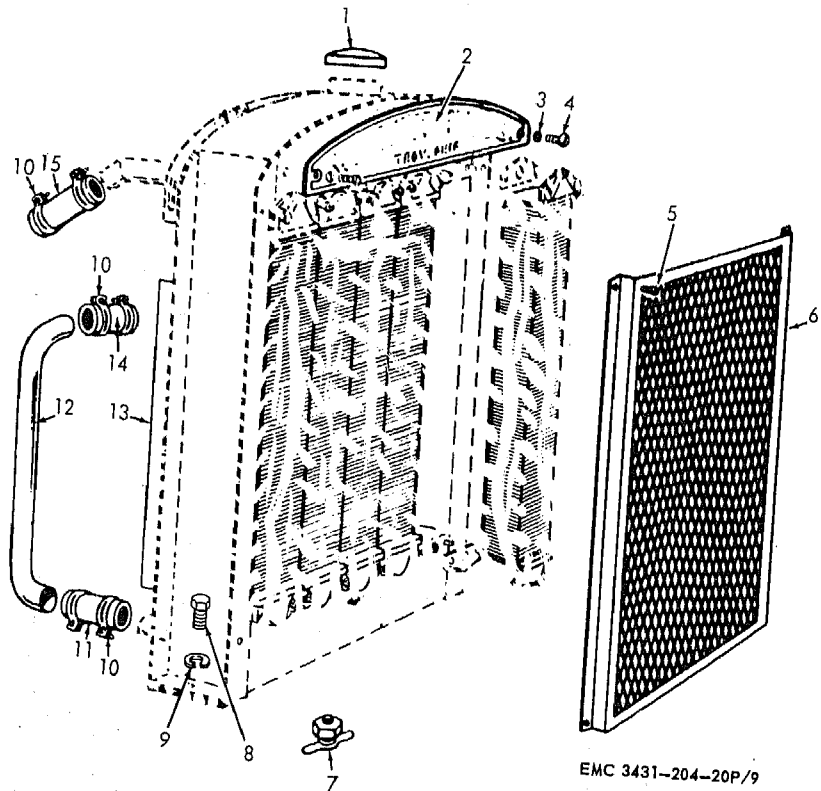
Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	0401	GASKET	6	0401	CLAMP
2	0401	SCREW	7	0401	MUFFLER
3	0401	PIPE	8	0401	PIPE
4	0401	WASHER	9	0401	HOSE
5	0401	NUT			

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Figure 8. Muffler and Pipes.

INDEX TO PARTS, FIGURE 9

Reference Number	Functional Group	Item Name
1	0501	CAP
2	2210	PLATE
3	2210	GASKET
4	2210	SCREW
5	0501	SCREW
6	0501	GUARD
7	0503	COCK
8	0501	SCREW
9	0501	WASHER
10	0503	CLAMP
11	0503	HOSE
12	0503	PIPE
13	0502	SHROUD
14	0503	HOSE
15	0503	HOSE

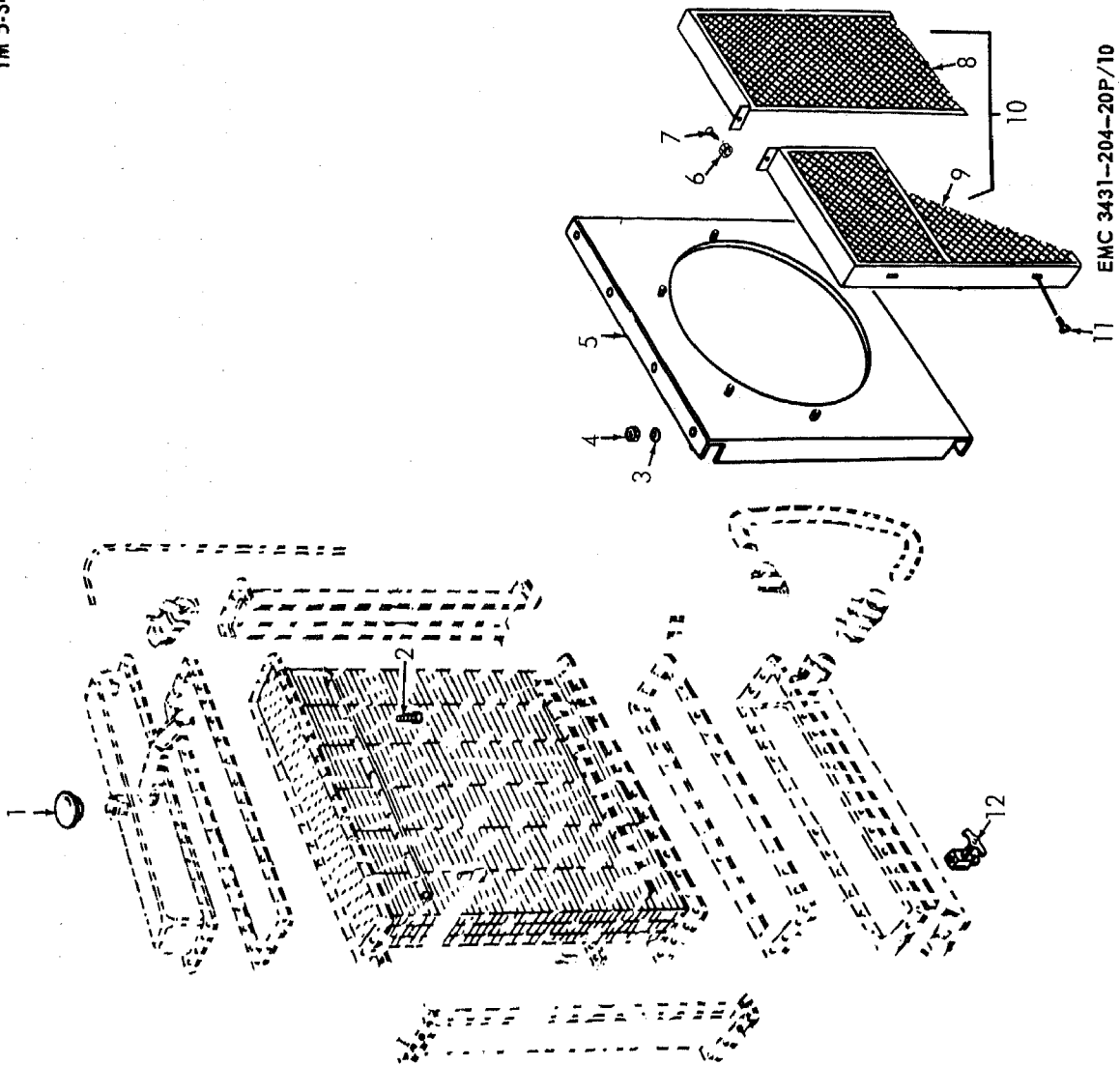


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Figure 9. Radiator Guard for Symbol (A).

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	6-10 EQP	FIG. NO.	ITEM NO.
				GROUP 04 - EXHAUST SYSTEM 0401 - MUFFLER AND PIPES								
	P	0	2990-374-5050	CLAMP: exhaust pipe to muffler, muffler to tailpipe, tailpipe to flexible tailpipe			3	*	*		8	6
	X1		2805-298-0514	GASKET: exhaust pipe flange (Component of GASKET SET, Stock No. 2805-620-0098, See Group 0100)			1					
	P	0	2805-298-0514	GASKET: exhaust pipe flange			1	*	*		8	1
	P	0	2805-298-0514	GASKET: muffler pipe flange to manifold			1	*	*		8	1
	P1	0	2990-429-0966	HOSE, METAL: end, flexible, steel			1	*	*		8	9
	P1	0	2990-174-5252	MUFFLER, EXHAUST			1	*	*		8	7
9	X2	0	5310-013-4570	NUT, PLAIN, HEXAGON: manifold to exhaust pipe flange screw, brass; 3/8-16 thd size			2	*	*		8	5
9	X2	0	5310-012-0377	NUT, PLAIN, HEXAGON: manifold to exhaust pipe flange screw; cadmium or zinc-chromate; 3/8-16 thd size			4	*	*		8	5
	P1	0	2990-447-4222	PIPE, EXHAUST			1	*	*		8	8
	X2	0	2990-393-6609	PIPE: exhaust, manifold to muffler			1	*	*		8	3
	X2	0		PIPE: exhaust, manifold to muffler			1	*	*		8	3
9	X2	0	5305-017-9843	SCREW, CAP, HEXAGON HEAD: manifold to exhaust pipe flange, cadmium or zinc plated; 3/8-16 thd size; 1 1/2 in. lg			2	*	*		8	2
9	X2	0	5305-021-4389	SCREW, CAP, HEXAGON HEAD: manifold to exhaust pipe flange, 3/8-16 thd size; 1 1/4 in. lg			4	*	*		8	2
9	X2	0	5305-227-1084	SCREW, TAPPING, THREAD FORMING: muffler shield, cadmium or zinc plated; No. 6-18 thd size; 3/8 in. lg			4	*	*		14	22
	X2	0	3375-374-5064	SHIELD ASSEMBLY, HEAT MUFFLER: heat and splash			1	*	*		14	23
9	X2	0	5310-637-9541	WASHER, LOCK: manifold to exhaust pipe flange screw, cadmium-chromate; 0.382 in. id. 0.688 in. od. 0.094 in. thk			4	*	*			
9	X2	0	5310-013-1099	WASHER, LOCK: manifold to exhaust pipe flange screw, cadmium or zinc plated; 0.382 in. id. 0.696 in. od. 0.115 in. thk			2	*	*		8	4
				GROUP 05 - COOLING SYSTEM 0501 - RADIATOR								
	X2	0	2930-429-0946	GUARD, FRONT: radiator			1	*	*		9	6
	X2	0	2930-447-4284	RADIATOR ASSEMBLY			1	*	*			
	P1	0	2910-447-4221	CAP, RADIATOR			1	*	*		10	1
9	P	0	5330-543-3261	GASKET: nameplate screw, radiator, copper; 3/8 in. id. 5/8 in. od. 3/32 in. thk			2	See Group	2210			
	X2	0		PLATE, NAME: welder radiator			1	See Group	2210			
	X2	0	5305-017-9837	SCREW, CAP, HEXAGON HEAD: radiator nameplate mtg. 3/8-16 thd size; 3/4 in. lg			2	See Group	2210			
	X2	0		RADIATOR ASSEMBLY			1	*	*			



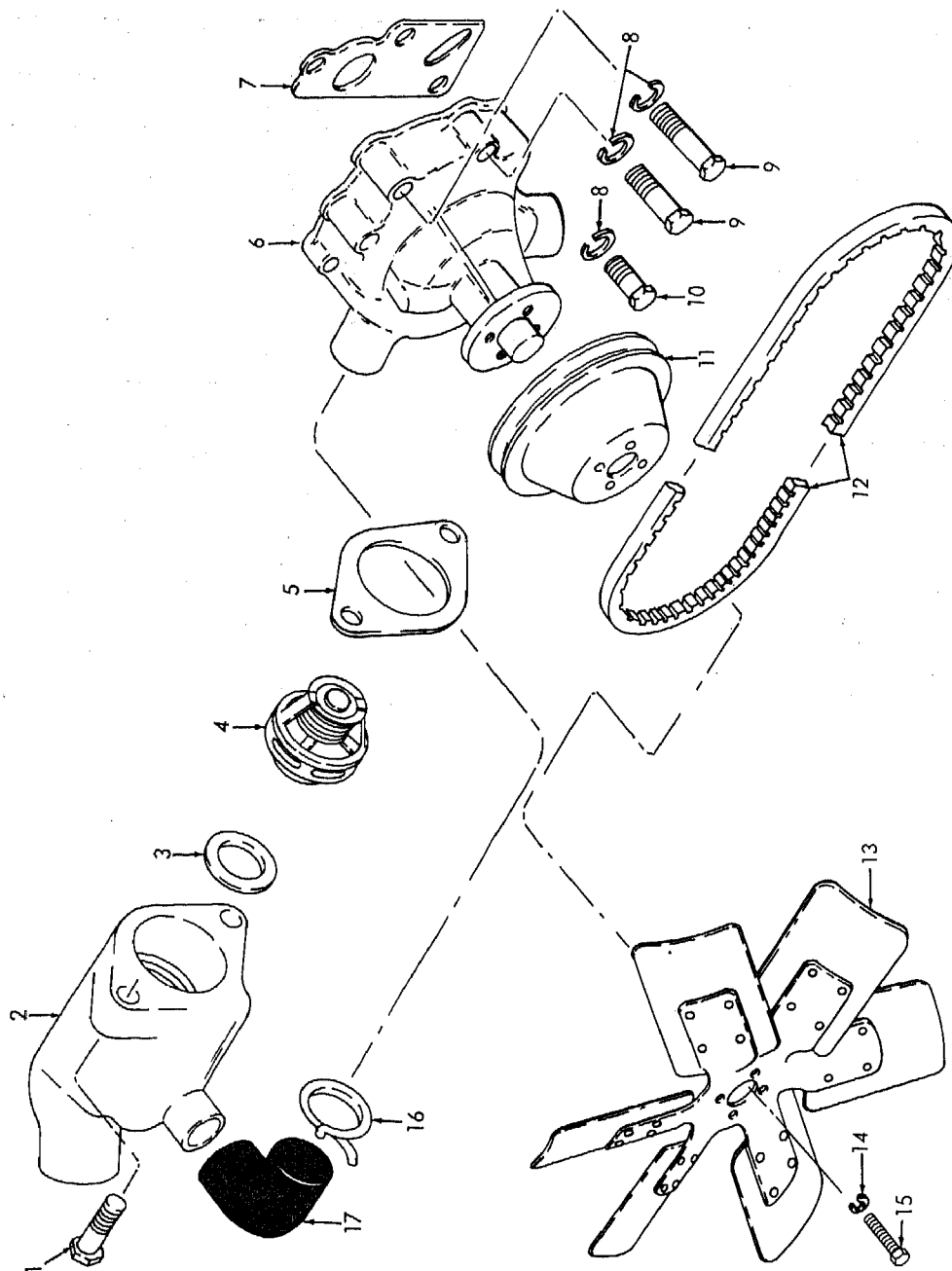


INDEX TO PARTS, FIGURE 10

Reference Number	Functional Group	Item Name
1	0501	CAP
2	0502	BOLT
3	0502	WASHER
4	0502	NUT
5	0502	SHROUD
6	0505	NUT
7	0505	SCREW
8	0505	GUARD
9	0505	GUARD
10	0505	GUARD AY
11	0505	SCREW
12	0503	COCK

Figure 10. Radiator Shroud and Guards for Symbol (B).

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	FIG. NO.	ITEM NO.		
											1-5 EQP	6-10 EQP
				0501 - RADIATOR (cont)								
	P1	0	2910-447-4221	CAP, RADIATOR			1	*	*	*	9	1
9	X2	0	5305-010-0159	SCREW, CAP, HEXAGON HEAD: radiator mtg; 1/2-13 thd size; 1 1/4 in. lg			2	*	*	*	9	8
9	X2	0	5305-017-1026	SCREW, TAPPING, THREAD FORMING: radiator guard mtg, cadmium or zinc plated; 1/4-20 thd size; 1/2 in. lg			4	*	*	*	9	5
9	X2	0	5310-010-3323	WASHER, LOCK: radiator mtg, 0.509 in. id, 0.879 in. od, 0.125 in. thk			2	*	*	*	9	9
				0502 - COMING, DEFLECTORS, AIR DUCT, SHROUD								
9	X2	0	5306-022-7776	BOLT, MACHINE: fan shroud mtg, cadmium or zinc plated; 5/16-18 thd size; 1 1/4 in. lg			9	*	*	*	10	2
9	X2	0	5310-012-0376	NUT, PLAIN, HEXAGON: fan shroud mtg screw, cadmium or zinc-chromate; 5/16-18 thd size			9	*	*	*	10	4
	X2	0		SHROUD, FAN			1	*	*	*	9	13
	X2	0		SHROUD, RADIATOR			1	*	*	*	9	13
9	X2	0	5310-012-0214	WASHER, LOCK: fan shroud mtg screw, cadmium or zinc-chromate; 0.319 in. id, 0.591 in. od, 0.078 in. thk			9	*	*	*	10	3
				0503 - LINES AND FITTINGS, HOSES, PIPES, CLAMPS								
	X2	0		CLAMP, HOSE: radiator to cylinder head (GE)			2	*	*	*	9	10
				(Supplied under Stock No. 4730-358-5965)								
	X2	0	4730-358-5965	CLAMP, HOSE: water inlet pipe, top and bottom hose, cadmium plated; 1 to 3 in. id (GE)			4	*	*	*	9	10
	X2	0	4730-289-5935	CLAMP, HOSE: water pump by-pass elbow, galvanized; 1/2 to 2 1/2 in. id (GE)			2	*	*	*	11	16
	X2	0		COCK: drain, radiator			1	*	*	*	10	12
	X2	0		COCK, DRAIN: radiator, brass body; male end, 3/8-18 thd size			1	*	*	*	9	7
9	X2	0	4820-276-9041	HOSE, PREFORMED: water pump by-pass			1	*	*	*	11	17
	P1	0	4720-289-0082	HOSE: radiator outlet, bottom			1				9	14
	M	0		MANUFACTURE FROM:								
9	P	0	4720-640-5439	HOSE, RUBBER (12 in. required)	FT		1	See Group	9501		9	11
	M	0		HOSE: radiator outlet, bottom								
				MANUFACTURE FROM:								
9	P	0	4720-640-5439	HOSE, RUBBER (12 in. required)	FT		1	See Group	9501		9	15
	P1	0	2930-447-4278	HOSE, RUBBER: radiator to cylinder head			1	*	*	*	9	12
	X2	0		PIPE: water inlet, radiator to water pump			1	*	*	*	9	12
	X1			WASHER: water pump by-pass elbow			1					
				(Component of GASKET SETS, Stock No. 2805-560-9323, Stock No. 2805-353-8007, Stock No. 2805-024-2076 and Stock No. 2805-620-0098, See Group 0100)								



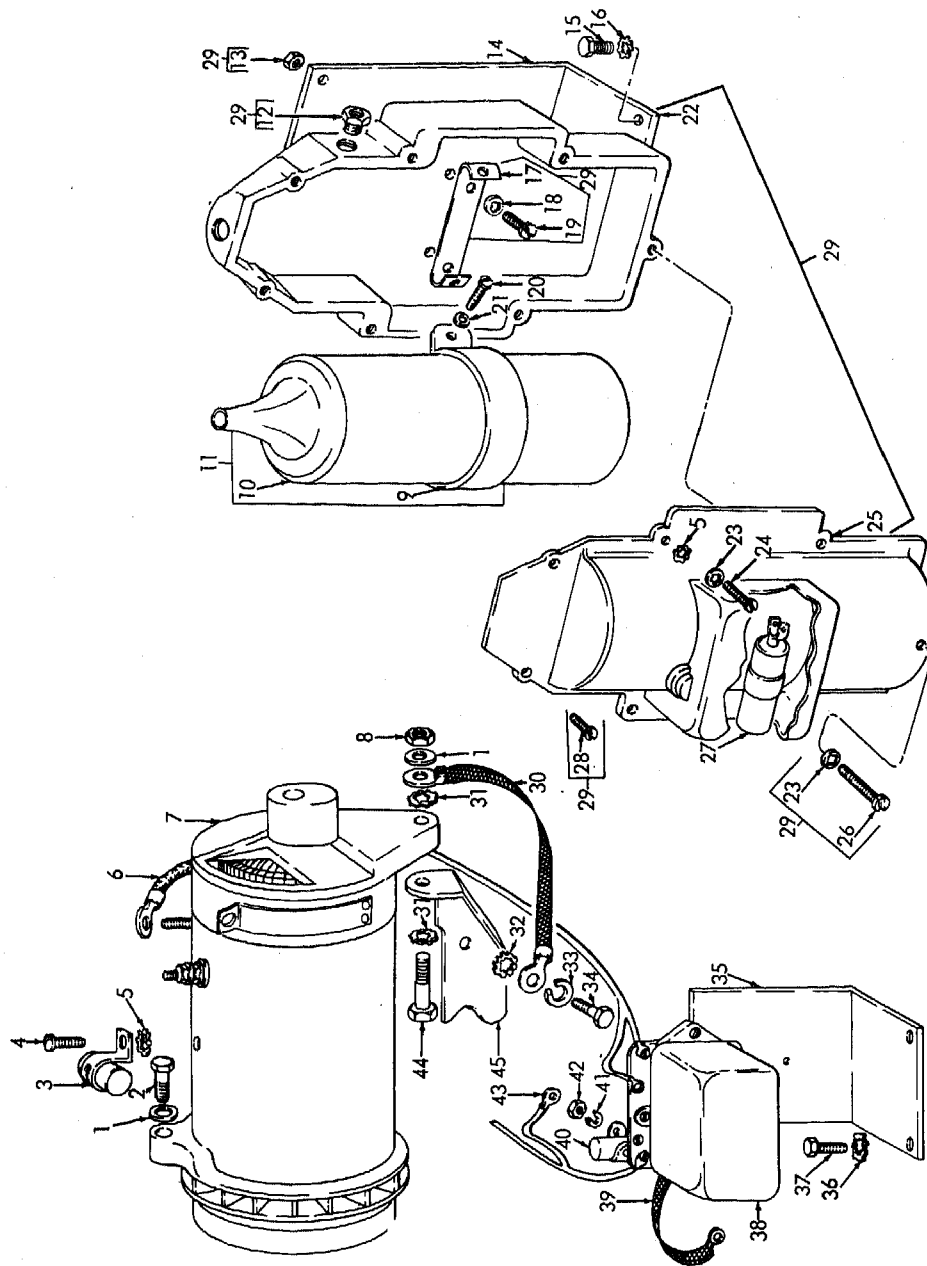
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# INDEX TO PARTS, FIGURE 11

Reference Number	Functional Group	Item Name
1	0506	SCREW
2	0506	ELBOW
3	0506	WASHER
4	0506	THERMOSTAT
5	0506	GASKET
6	0504	PUMP
7	0504	GASKET
8	0504	WASHER
9	0504	SCREW
10	0504	SCREW
11	0505	PULLEY
12	0505	BELT
13	0505	FAN
14	0505	WASHER
15	0505	SCREW
16	0503	CLAMP
17	0503	HOSE

Figure 11. Water Pump, Fan, and Thermostat.

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABLE QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY					15 DAYS ORGANIZATIONAL MAINTENANCE	FIG. NO.	ITEM NO.		
										1-5 EQP	6-10 EQP
				0504 - WATER PUMP							
	X1		2930-215-5121	GASKET: water pump to cylinder block (Component of GASKET SETS, Stock No. 2805-353-8007 and Stock No. 2805-620-0098, See Group 0100)		1				11	7
	P1	0	2930-172-9509	PUMP, WATER		1	*	*		11	6
9	X2	0	5305-017-5239	SCREW, MACHINE: water pump mtg, cadmium or zinc plated; 3/8-16 thd size; 1 1/8 in. lg		2	*	*		11	9
9	X2	0	5305-286-1502	SCREW, MACHINE: water pump mtg, cadmium or zinc plated; 3/8-16 thd size; 2 in. lg		1	*	*		11	10
9	X2	0	5310-637-9541	WASHER, LOCK: water pump mtg screw, cadmium-chromate; 0.382 in. id, 0.688 in. od, 0.094 in. thk		3	*	*		11	8
				0505 - FAN ASSEMBLY							
	P	0	3030-329-1220	BELT, V: fan and generator		1	*	*		11	12
	X2	0	2930-173-2056	FAN		1	*	*		11	13
	X2	0		GUARD ASSEMBLY, FAN	"A" (28835) DW5329A	1	*	*		10	10
	X1			GUARD, FAN: left	"A" (28835) DW5330A	1				10	9
	X1			GUARD, FAN: right	"A" (28835) DW5331A	1				10	8
9	X2	0	5310-011-0633	NUT, PLAIN, HEXAGON: fan guard mtg screw, No. 10-24 thd size	"A" (74865) 670500	2	*	*		10	6
	X2	0	3020-366-6466	PULLEY, GROOVE: fan	"A" (74865) 595295	1	*	*		11	11
9	X2	0	5305-011-0500	SCREW, MACHINE: fan guard mtg, No. 10-24 thd size; 1/2 in. lg	"A" (74865) 670500	2	*	*		10	7
9	X2	0	5305-275-9106	SCREW, MACHINE: fan mtg to water pump hub, 5/16-18 thd size; 5/8 in. lg	"A" (74865) 50082	4	*	*		11	15
9	X2	0	5305-012-5985	SCREW, TAPPING, THREAD FORMING: fan guard mtg, cadmium or zinc plated; No. 8-32 thd size; 1/4 in. lg	"A" (74865) 120214	4	*	*		10	11
9	X2	0	5310-012-0214	WASHER, LOCK: fan mtg screw to water pump hub, cadmium or zinc-chromate; 0.319 in. id, 0.591 in. od, 0.078 in. thk	(74865) 120214	4	*	*		11	14
				0506 - WATER MANIFOLDS, HEADERS, THERMOSTATS AND HOUSING, GASKETS							
	X2	0	2805-353-7904	ELBOW, WATER OUTLET: cylinder water outlet	(74865) 1116319	1	*	*		11	2
	X1		2930-244-8159	GASKET: cylinder water outlet elbow (Component of GASKET SETS, Stock No. 2805-560-9323, Stock No. 2805-353-8007, Stock No. 2805-620-0098, and Stock No. 2805-024-2076, See Group 0100)	(74865) 50082	1				11	5
9	X2	0	5305-286-1502	SCREW, MACHINE: water outlet elbow mtg, cadmium or zinc plated; 3/8-16 thd size; 2 in. lg		2	*	*		11	1
	P1	0	6680-514-3995	THERMOSTAT, FLOW CONTROL: 180 deg F	(74865) 1124989	1	*	*		11	4
	X1		5330-298-0764	WASHER, NONMETALLIC: thermostat, rubber; 1 23/64 in. id, 1 55/64 in. od, 3/32 in. thk (Component of GASKET SETS, Stock No. 2805-560-9323 and Stock No. 2805-024-2076, See Group 0100)	(74865) 863220	1				11	3



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INDEX TO PARTS, FIGURE 12

Reference Number	Functional Group	Item Name
1	0601	WASHER
2	0601	BOLT
3	0615	CAPACITOR
4	0615	SCREW
5	0615	WASHER
6	0615	CABLE AY
7	0601	GENERATOR AY
8	0601	NUT
9	0604	BRACKET
10	0604	COIL
11	0604	COIL
12	0615	ADAPTER
13	0615	NUT
14	0615	BRACKET
15	0615	SCREW
16	0615	WASHER
17	0615	BRACKET
18	0615	WASHER
19	0615	SCREW
20	0604	SCREW
21	0604	WASHER
22	0615	SHIELD
23	0615	WASHER
24	0615	SCREW
25	0615	SHIELD
26	0615	SCREW
27	0615	CAPACITOR
28	0615	SCREW
29	0615	SHIELD
30	0615	LEAD
31	0601	WASHER
32	0601	WASHER
33	0601	WASHER
34	0601	SCREW
35	0602	BRACKET
36	0602	WASHER
37	0602	SCREW
38	0602	REGULATOR
39	0615	LEAD
40	0615	WASHER
41	0615	WASHER
42	0615	NUT
43	0615	CAPACITOR
44	0601	BOLT
45	0601	BRACKET

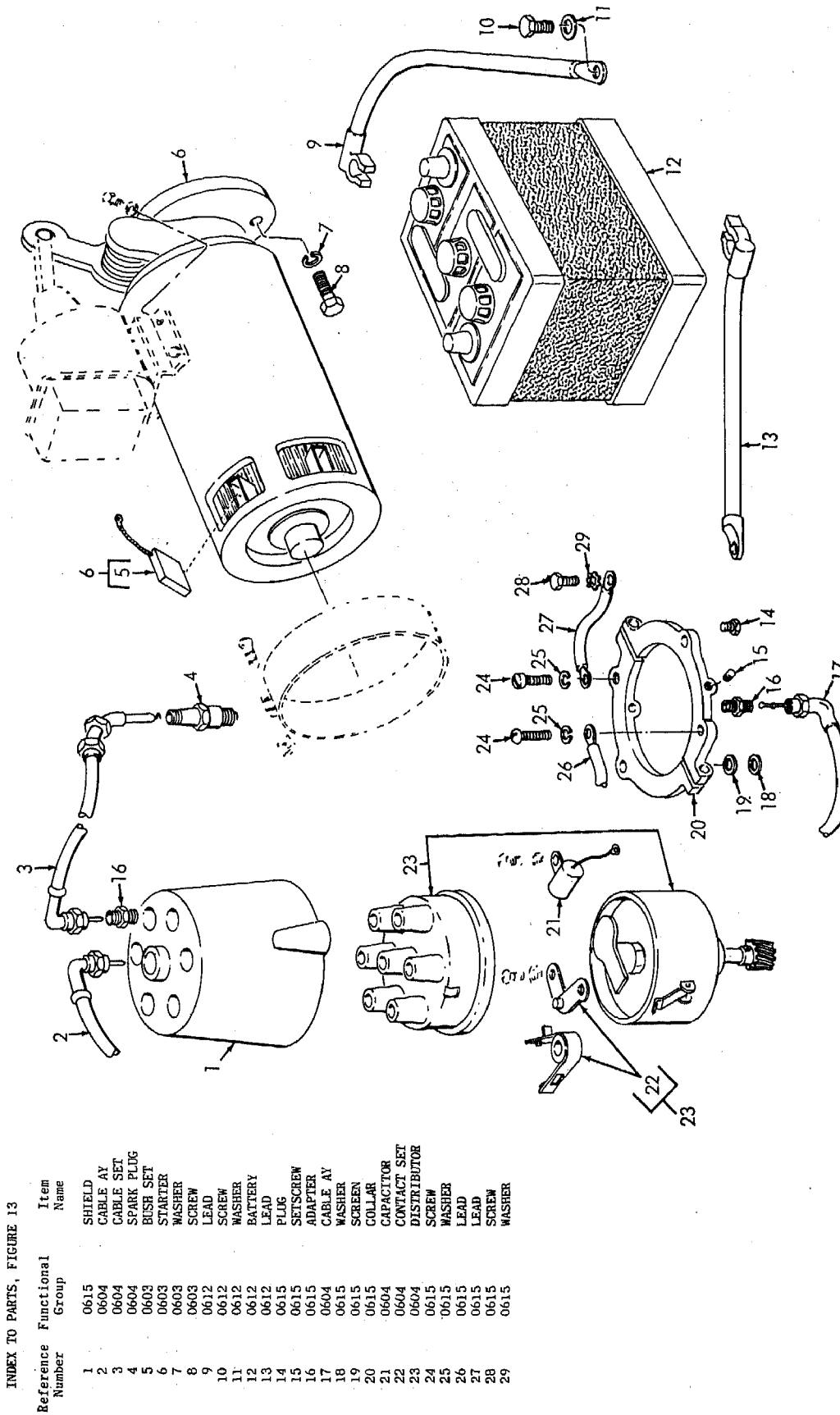
INDEX TO PARTS, FIGURE 12 (cont)

Reference Number	Functional Group	Item Name
40	0615	CAPACITOR
41	0615	WASHER
42	0615	NUT
43	0615	CABLE AY
44	0601	BOLT
45	0601	BRACKET

Figure 12. Coil, Regulator, and Generator.

SOURCE CODES		FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS			
TECHNICAL SERVICE	SOURCE						MAINTENANCE	RECOVERABILITY	15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	6-10 EQP	FIG. NO.	ITEM NO.
GROUP 06 - ELECTRICAL SYSTEM 0601 - GENERATOR													
9	X2	0	5306-282-9645	BOLT, MACHINE: generator mtg, cadmium or zinc plated; 5/16-24 thd size; 1 1/4 in. lg	(74865) 123774	2	*	*		12	44		
9	X2	0	5306-680-6004	BOLT, MACHINE: generator strap, cadmium or zinc-chromate; 5/16-18 thd size; 3/4 in. lg	"A" (74865) 122007	1	*	*		12	2		
	X2	0	2920-532-8941	BRACKET, GENERATOR	(74865) 667751	1	*	*		12	45		
	P1	0	2920-374-3702	GENERATOR, ENGINE ACCESSORY (fungus treated) (Includes component of PARTS KIT, Stock No. 2920-723-0427)	(74865) 1330241	1	*	*					
	Z	0		GENERATOR ASSEMBLY (Replaced by GENERATOR ASSEMBLY, Stock No. 2920-374-3702)	"B" (74865) 1257392	1				12	7		
	X2	0		NUT: generator armature, pulley	(19728) 68M210	1	*	*					
9	X2	0	5310-012-0368	NUT, PLAIN, HEXAGON: generator mtg screw, cadmium or zinc-chromate; 5/16-24 thd size	(74865) 120368	2	*	*		12	8		
	P	0	2920-723-0427	PARTS KIT, ENGINE GENERATOR	(81336) KIT19728-12	1	*	*					
	X1			BEARING, A.B.S. BRONZE	(19728) 66U38A	1							
	X1		2920-293-5041	BEARING, SLEEVE (1)	(19728) 68F79	0							
	X1			BRUSH SET: generator	(19728) 66T2012A5	1							
11	X1		5970-353-7172	INSULATOR, BUSHING (2)	(19728) 66U32	0							
	X1		5340-282-5560	RING, RETAINING ARMATURE	(19728) 68I71A	1							
	X1		2920-363-3939	SPRING, HELICAL, TORSION (1)	(19728) 68W45A	0							
	X1		2920-664-4267	SPRING, HELICAL, TORSION	(19728) 66Y45A	2							
	X1			WASHER (1)	(19728) 6AP95	0							
	X1			WASHER, FELT: drive head	(19728) 66164A	2							
	X1		5330-291-4812	WASHER, NONMETALLIC (1)	(19728) 66U30	0							
	X1		5330-424-3243	WASHER, NONMETALLIC (1)	(19728) 68M44	0							
	X2	0	2920-331-7648	PULLEY, GENERATOR	"B" (74865) 1264943	1	*	*					
	X2	0		PULLEY, GENERATOR	"A" (74865) 1402508	1	*	*					
	X2	0	5305-353-7942	SCREW, ASSEMBLED WASHER: generator adjusting strap, 5/16-18 thd size; 15/16 in. lg	"B" (74865) 1123371	1	*	*					
9	X2	0	5305-266-6292	SCREW, CAP, HEXAGON HEAD: generator bracket mtg, cadmium plated; 7/16-14 thd size; 1 in. lg	(74865) 122253	2	*	*		12	34		
	X2	0		STRAP: generator adjusting	(74865) 1321959	1	*	*					
9	X2	0	5310-017-8576	WASHER, LOCK: generator bracket mtg screw, cadmium or zinc plated; 0.456 in. id, 1.142 in. od, 0.046 in. thk	"A"	2	*	*		12	32		
9	X2	0	5310-194-0743	WASHER, LOCK: generator mtg screw, cadmium or zinc-chromate; 0.466 in. id, 0.784 in. od, 0.109 in. thk	"B"	2	*	*		12	33		
9	X2	0	5310-530-9309	WASHER, LOCK: generator pulley locknut, cadmium or zinc-chromate; 0.636 in. id, 1.082 in. od, 0.126 in. thk	(74865) 625948	1	*	*					
9	X2	0	5310-013-8485	WASHER, LOCK: generator strap, cadmium or zinc-chromate; 0.326 in. id, 0.599 in. od, 0.031 in. thk	"A" (74865) 178532	1	*	*		12	31		

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	6-10 EQP	FIG. NO.	ITEM NO.
				0601 - GENERATOR (cont)								
	X2	0	5310-275-6616	WASHER, SPRING TENSION: generator strap, 0.332 in. id, 13/16 in. od, 0.081 in. thk			2	*	*		12	1
				"A" (74865) 1123372								
				0602 - GENERATOR REGULATOR								
	X2	0	2920-732-7707	BRACKET: voltage regulator mtg			1	*	*		12	35
	PI	0	2920-640-7719	REGULATOR, VOLTAGE			1	*	*		12	38
	X1			GASKET: regulator cover			1					
9	X2	0	5305-017-9791	SCREW, CAP, HEXAGON HEAD: regulator bracket mtg, 1/4-20 thd size; 1/2 in. lg			2	*	*		12	37
9	X2	0	5305-042-6950	SCREW, CAP, HEXAGON HEAD: regulator mtg, cadmium or zinc plated; 3/8-24 thd size; 1/2 in. lg			2	*	*			
9	X2	0	5310-528-5977	WASHER, FLAT: regulator mtg screw, cadmium or zinc-chromate; 0.406 in. id, 0.812 in. od, 0.065 in. thk			2	*	*			
9	X2	0	5310-017-3124	WASHER, LOCK: regulator bracket mtg, 0.262 in. id, 0.742 in. od, 0.036 in. thk			2	*	*		12	36
9	X2	0	5310-637-9541	WASHER, LOCK: regulator mtg screw, cadmium-chromate; 0.382 in. id, 0.688 in. od, 0.094 in. thk			2	*	*			
				0603 - STARTER								
	P	0	2920-087-4862	MOTOR REPAIR KIT: starter								
11	X1		5977-280-3950	BRUSH SET, ELECTRICAL CONTACT: starter	"B" (81336) KIT19728-52		1	*	*			
11	X1		5975-143-5299	BUSHING, ELECTRICAL CONDUCTOR: insulation, terminal stud	"B" (19728) M22012BS		1				13	5
	X1		2920-695-7139	SPRING, BRUSH	"B" (19728) M4865		1					
9	X1		5310-220-6456	WASHER, FLAT: drive end	"B" (19728) M219C		4					
X1			5330-235-5124	WASHER, NONMETALLIC: commutator end (1) (as required)	"B" (19728) M181A		1					
X1			5330-291-5921	WASHER, NONMETALLIC: commutator end (1) (as required)	"B" (19728) M054B							
X1			5330-424-3278	WASHER, NONMETALLIC: insulation, terminal stud, outer	"B" (19728) M4831A		1					
X1			5330-291-4803	WASHER, NONMETALLIC: terminal stud, inner	"B" (19728) M439A		1					
X1			2920-364-5974	WICK	"B" (19728) M4110		1					
P	0		2920-715-0426	PARTS KIT, ELECTRICAL ENGINE STARTER: starter model MCL611ST	"A" (19728) KIT19728-13		1	*	*			
11	X1		5977-636-4296	BRUSH SET, ELECTRICAL CONTACT	(19728) M22012DS		1					
X1			2920-353-7393	END BELL, ELECTRICAL, ROTATING EQUIPMENT: commutator end	"A" (19728) MCL2030C		1					
11	X1		5977-695-7139	SPRING, HELICAL, TORSION	"A" (19728) M219C		4					
X1			2920-364-5974	WICK	"A" (19728) M4110		1					
9	X1		5310-220-6456	WASHER, FLAT: armature drive end	"A" (19728) M181A		1					
X1			5330-285-6578	WASHER, NONMETALLIC: commutator end	"A" (19728) MCH96		1					
X1			5330-291-5921	WASHER, NONMETALLIC: commutator end (as required)	"A" (19728) M054F		1					
9	X1		5305-017-5257	SCREW, MACHINE: starter mtg	(74865) 122267		2				13	8
PI	0	R	2920-248-3648	STARTER, ENGINE, ELECTRICAL	"B" (74865) 1311459		1	*	*		13	6
				(Includes components of REPAIR KIT, Stock No. (81336) KIT19728-52)								



EMC 3431-204-20P/13

Figure 13. Starter, Battery, and Distributor.

INDEX TO PARTS, FIGURE 13

Reference Number	Functional Group	Item Name
1	0615	SHIELD
2	0604	CABLE SET
3	0604	CABLE SET
4	0604	SPARK PLUG
5	0603	RUSH SET
6	0603	STARTER
7	0603	WASHER
8	0603	SCREW
9	0612	LEAD
10	0612	SCREW
11	0612	WASHER
12	0612	BATTERY
13	0612	LEAD
14	0615	PLUG
15	0615	SETScrew
16	0615	ADAPTER
17	0604	CABLE SET
18	0615	WASHER
19	0615	SCREEN
20	0615	COLLAR
21	0604	CAPACITOR
22	0604	CONTACT SET
23	0604	DISTRIBUTOR
24	0615	SCREW
25	0615	WASHER
26	0615	LEAD
27	0615	LEAD
28	0615	SCREW
29	0615	WASHER



SOURCE CODES				FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY	MAINTENANCE						15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	6-10 EOP	FIG. NO.	ITEM NO.
					0603 - STARTER (cont)								
	X1			2920-428-4662	BAND, COVER, STARTING MOTOR	"B" (19728) MAW24		1					
	P1	0	R	2920-353-7398	STARTER, ENGINE, ELECTRICAL (Includes components of PARTS KIT, Stock No. 2920-715-0426)	"A" (74865) 1330243		1	*				
	X1			2920-353-7487	RELAY SOLENOID, ENGINE STARTER, ELECTRICAL	"A" (19728) SSK4103T		1					
9	X1			5310-194-0743	WASHER, LOCK: starter mtg screw			2				13	7
					0604 - IGNITION COMPONENTS								
	X2	0			BRACKET: Ignition cables	"B" (74865) 1092857		1	*				
	P1	0		2920-371-5450	CABLE SET, SPECIAL PURPOSE ELECTRICAL: Ignition, shielded	(28835) DW6381A		1	*			13	3
	X1				CABLE: Ignition, No. 1, shielded	(28835) DW6381AA		1					
	X1				CABLE: Ignition, No. 2, shielded	(28835) DW6381AB		1					
	X1				CABLE: Ignition, No. 4, shielded	(28835) DW6381AD		1					
	X1				CABLE: Ignition, No. 5, shielded	(28835) DW6381AE		1					
	X1				CABLE: Ignition, No. 6, shielded	(28835) DW6381AF		1					
	X1			2920-732-7708	CABLE ASSEMBLY: Ignition, No. 3, shielded	(28835) DW6381AC		1					
	X1			2920-371-5451	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: coil to distributor	(28835) DW6381AG		1				13	2
	X1			2920-371-5452	CABLE ASSEMBLY, SPECIAL PURPOSE, ELECTRICAL: primary	(28835) DW6381AH		1				13	17
	X2	0			STRAP, BONDING: distributor shield to engine block	(28835) DW6319		1	See Group	0615			
	A	0		2920-033-5033	COIL, IGNITION: w/clamp	"A" (74865) 1330244		1	*				
	P1	0		2920-771-9092	BRACKET, IGNITION COIL	"A"		1	*				
	P1	0		2920-224-5332	COIL, IGNITION	"A"		1	*				
	A	0		2920-257-1355	COIL, IGNITION: w/clamp	"B" (74865) 1300667		1	*			12	11
	P1	0		2920-771-9092	BRACKET, IGNITION COIL	"B"		1	*			12	9
	P1	0		2920-224-5332	COIL, IGNITION	"B"		1	*			12	10
	P1	0		2920-033-5074	DISTRIBUTOR, IGNITION	"B" (19728) IAD4203		1	*			13	23
					(Includes components of PARTS KIT, Stock No. 2920-723-3128)								
	P1	0	R	2920-386-3221	DISTRIBUTOR, IGNITION SYSTEM	"A" (74865) 1321787		1	*			13	23
					(Includes components of PARTS KIT, Stock No. 2920-715-0430)								
	X1				ARM, ADVANCE	"A" (19728) IGS114A		1					
	X1			4730-223-6428	CUP, OIL LUBRICATING	"A" (19728) X1590		1					
	X1				WASHER, FLAT: advance arm	"A" (19728) SM634B		1					
9	X2	0		5310-012-0368	NUT, PLAIN, HEXAGON: coil mtg bracket, cadmium or zinc-chromate; 5/16-24 thd size	"B" (74865) 120368		2	*				
					NUT, PLAIN, HEXAGON: coil mtg bracket stud, cadmium or zinc-chromate; 5/16-24 thd size	"A" (74865) 102368		1	*				
	X2	0		5310-266-0458	NUT, PLAIN, HEXAGON: coil mtg, cadmium plated; 1/4-28 thd size	(74865) 120367		2	*				
9	X2	0		5310-042-6903	NUT, PLAIN, HEXAGON: coil terminal stud, cadmium or zinc plated; No. 10-32 thd size	(74865) 120614		2	*				

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SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	FIG. NO.	ITEM NO.		
											2ND ECH	6-10 EQP
0604 - IGNITION COMPONENTS (cont)												
				GASKET: spark plug (Component of GASKET SET, Stock No. 2805-353-8007, See Group 0100)			6					
	X1		5330-245-5503	"A" (74865) 150189								
	P	0	2920-294-3867	SPARK PLUG (Minimum stockage of 6 is authorized)			6	6	12		13	4
				GASKET: spark plug (Component of GASKET SET, Stock No. 2805-620-0098, See Group 0100)			6					
	X1		5330-245-5503	"B" (74865) 150189								
	9	X2	5307-010-3173	STUD, PLAIN: coil mtg bracket, one end 5/16-18 thd size; other end 5/16-24 thd size; 1 1/4 in. lg			1	*	*			
	9	X2	5307-010-3173	STUD, PLAIN: coil mtg bracket, one end, 5/16-18 thd size; other end, 5/16-24 thd size; 1 1/4 in. lg			2	*	*			
				TUBE: ignition cables			1	*	*			
	9	X2	5310-044-6192	WASHER, FLAT: distributor clamp, brass; 0.265 in. id, 0.625 in. od, 0.049 in. thk			1	*	*			
	9	X2	5310-194-1540	WASHER, FLAT: distributor clamp, cadmium or zinc-chromate; 0.261 in. id, 0.625 in. od, 0.065 in. thk			1	*	*			
				WASHER: ignition coil secondary cable			1	*	*			
	9	X2	5310-013-8485	WASHER, LOCK: coil mtg bracket, cadmium or zinc-chromate; 0.326 in. id, 0.599 in. od, 0.031 in. thk			1	*	*			
	9	X2	5310-013-8485	WASHER, LOCK: coil mtg bracket stud, cadmium or zinc-chromate; 0.326 in. id, 0.599 in. od, 0.031 in. thk			2	*	*			
	9	X2	5310-582-5965	WASHER, LOCK: coil mtg, cadmium-chromate; 0.255 in. id, 0.493 in. od, 0.062 in. thk			2	*	*		12	21
	9	X2	5310-582-5965	WASHER, LOCK: distributor clamp, cadmium-chromate; 0.255 in. id, 0.493 in. od, 0.062 in. thk			1	*	*			
	9	X2	5310-013-1098	WASHER, LOCK: distributor clamp, cadmium or zinc-chromate; 0.255 in. id, 0.495 in. od, 0.077 in. thk			1	*	*			
	9	X2	5310-013-8479	WASHER, LOCK: distributor terminal wire, cadmium or zinc-chromate; 0.200 in. id, 0.402 in. od, 0.023 in. thk			3	*	*			
	X2	0	5330-298-0793	WASHER, NONMETALLIC: distributor to crankcase, cork; 1.375 in. id, 1.385 in. od, 3/16 in. thk			1	*	*			
0607 - INSTRUMENT OR ENGINE CONTROL PANEL												
				AMMETER: battery charging 30-0-30			1	*	*			
11	P1	0	6625-252-5545	(28835) 5CM1046A			1	*	*		17	5
11	P1	0	5930-272-1331	(28835) DW1014			1	*	*		17	12
11	P1	0	5930-256-1109	(28835) E5570A			1	*	*		17	13
11	P1	0	5930-258-5541	(28835) FW1312			1	See Group 9901			17	14
0609 - LIGHTS												
				LAMP, INCANDESCENT: canopy light, 6-8v, No. 1130			3	*	*			

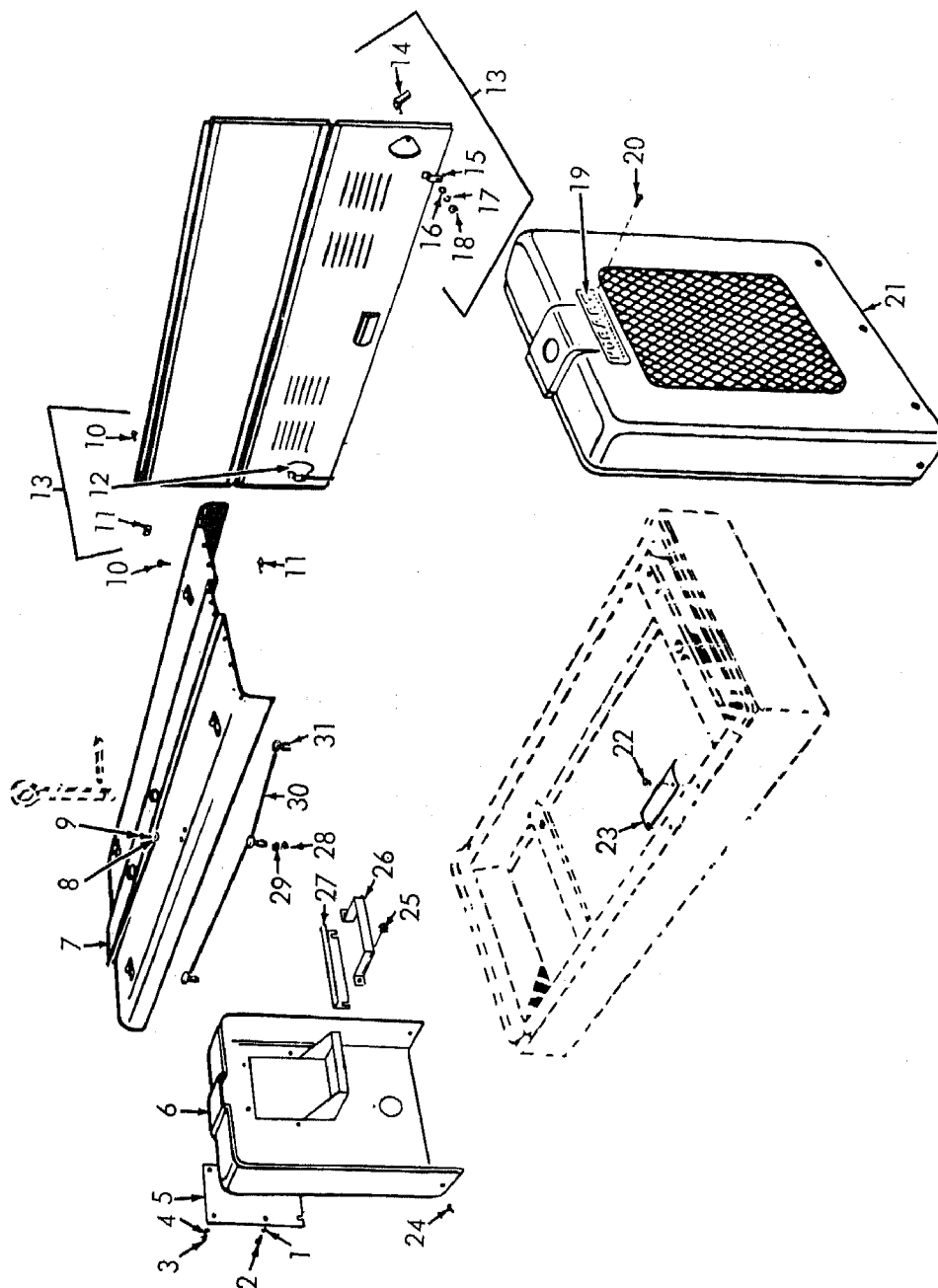
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SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	6-10 EQP	FIG. NO.	ITEM NO.
0615 - RADIO INTERFERENCE SUPPRESSION (cont)												
9	X2	0	5335-174-2937	SCREEN: vent, distributor shield			1	*			13	19
9	X2	0	5305-017-9837	SCREW, CAP, HEXAGON HEAD: distributor bonding strap to engine block, 3/8-16 thd size; 3/4 in. lg			1	*			13	28
9	X2	0	5305-021-3761	SCREW, CAP, HEXAGON HEAD: generator bond lead, 7/16-14 thd size; 1 in. lg			2	*				
9	X2	0	5305-017-9791	SCREW, CAP, HEXAGON HEAD: ignition coil shield mtg, 1/4-20 thd size; 1/2 in. lg			2	*			12	15
9	X2	0	5305-010-0765	SCREW, MACHINE: bonding strap, distributor shield to ignition coil, No. 10-32 thd size; 5/8 in. lg	"A"		1	*			12	24
9	X2	0	5305-206-3339	SCREW, MACHINE: bonding strap, distributor shield to ignition coil, passivated finish, No. 10-32 thd size; 3/4 in. lg	"A"		1	*				
9	X2	0	5305-150-9611	SCREW, MACHINE: bonding strap distributor shield to ignition coil, No. 10-32 thd size; 3/4 in. lg	"B"		1	*				
9	X2	0	5305-022-6404	SCREW, MACHINE: bonding strap, distributor to ignition coil, No. 10-32 thd size; 5/8 in. lg	"B"		1	*				
9	X2	0	5305-011-0499	SCREW, MACHINE: capacitor mtg, No. 10-24 thd size; 3/8 in. lg			1	*				
9	X2	0	5305-011-0489	SCREW, MACHINE: distributor bonding strap, No. 10-24 thd size; 3/4 in. lg	"B"		2	*			13	24
9	X2	0	5305-011-0502	SCREW, MACHINE: distributor bonding strap, No. 10-24 thd size; 3/4 in. lg	"A"		1	*				
9	X2	0	5305-010-0749	SCREW, MACHINE: generator capacitor mtg, No. 8-32 thd size; 1/4 in. lg			1	*			12	4
9	X2	0	5305-011-3958	SCREW, MACHINE: regulator bond lead, 1/4-20 thd size; 7/8 in. lg			2	*				
9	X2	0	5305-285-4620	SETSCREW: distributor shield collar, cadmium or zinc plated; 1/4-20 thd size; 7/8 in. lg			2	*			13	15
	X2	0	2920-371-5447	SHIELD, IGNITION SYSTEM, DISTRIBUTOR	(28835) DW6321		1	*			12	29
	X2	0		ADAPTER: spherical joint, distributor shield	(28835) DW6327		7	See Group	9901		12	12
	X1		2920-377-8968	SHIELD, IGNITION DISTRIBUTOR	(28835) DW6324		1				13	1
	X2	0	2920-371-5449	SHIELD ASSEMBLY, IGNITION COIL	(28835) DW6331		1	*				
11	X2	0	5935-024-2198	ADAPTER, COIL TO DISTRIBUTOR LEAD: spark coil resistor mtg	(28835) DW6391		1	*				
	X2	0		ADAPTER: spherical joint coil shield	(28835) DW6327		2	See Group	9901			
	X2	0		BRACKET: mtg	(28835) DW6335		1	*			12	17
9	X2	0	5310-010-9084	NUT, PLAIN, HEXAGON: coil shield bracket, 1/4-20 thd size			2	*			12	13
9	X2	0	5305-275-3927	SCREW, MACHINE: shield bracket, 1/4-20 thd size; 1 in. lg			2	*			12	19
9	X2	0	5305-011-0488	SCREW, MACHINE: shield top, coil, No. 10-24 thd size; 5/8 in. lg			5	*			12	28
9	X2	0	5305-022-4592	SCREW, MACHINE: shield top, coil, No. 10-24 thd size; 1 1/4 in. lg			1	*			12	26
	X1		2920-371-5448	SHIELD, IGNITION COIL: bottom	(28835) DW6330		1				12	22
	X1			SHIELD: top, ignition coil	(28835) DW6329		1				12	25
	P1	0	2920-371-5453	SUPPRESSOR, IGNITION INTERFERENCE: resistor coil to distributor head	(28835) DW6390		1	*				
9	X2	0	5310-011-5547	WASHER, LOCK: coil shield bracket, 0.262 in. id, 0.469 in. od, 0.251 in. thk			2	*			12	18
9	X2	0	5310-010-6497	WASHER, LOCK: shield top screw, 0.194 in. id, 0.337 in. od, 0.047 in. thk			6	*			12	23
	X2	0		STRAP: bonding distributor shield to engine block	(28835) DW6319		1	*				

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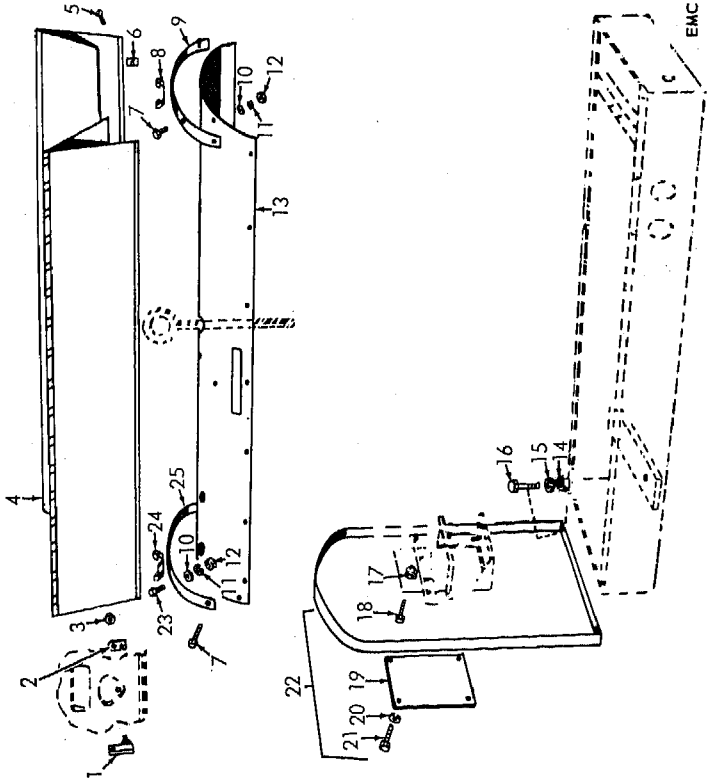
PARTS, FIGURE 14

Functional Group	Item Name
0612	WASHER
0612	SCREW
1700	SCREW
1700	WASHER
1700	COVER
1700	PANEL
1700	PANEL
0609	WASHER
0609	SCREW
1700	SCREW
1700	NUT
1700	LATCH
1700	DOOR
1700	HANDLE AY
1700	LATCH
1700	WASHER
1700	WASHER
1700	NUT
2210	PLATE
2210	SCREW
1700	PANEL
0401	SCREW
0401	SHIELD
1700	SCREW
0612	NUT
0612	HOLDER
0612	BAR
0609	NUT
0609	WASHER
0609	WIRING HARNESS
0609	LAMP HOLDER



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Figure 14. Panels and Door for Symbol (A).



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INDEX TO PARTS, FIGURE 15

Reference Number	Functional Group	Item Name
1	1700	HANDLE
2	1700	LATCH
3	1700	NUT
4	1700	DOOR
5	1700	SCREW
6	1700	NUT
7	1700	BOLT
8	1700	LOCK
9	1700	STRAP
10	1700	WASHER
11	1700	NUT
12	1700	PANEL
13	1700	NUT
14	1700	WASHER
15	1700	SCREW
16	0612	NUT
17	0612	BOLT
18	1700	COVER
19	1700	WASHER
20	1700	SCREW
21	1700	CANOPY
22	1700	BOLT
23	1700	LOCK
24	1700	STRAP
25	1700	STRAP

Figure 15. Side Panels and Canopy for Symbol (B).

SOURCE CODES	TECHNICAL SERVICE	SOURCE	RECOVERABILITY	FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
									15 DAYS ORGANIZATIONAL MAINTENANCE		2ND ECH	FIG. NO.	ITEM NO.
									1-5 EQP	6-10 EQP			
					1700 - BODY, CAB, HOOD, HULL ASSEMBLIES (cont.)								
X2	0				LATCH, DOOR: left			2	*	*		14	15
X2	0				LATCH, DOOR: right			2	*	*		14	12
9	X2	0		5310-010-2634	NUT, PLAIN, HEXAGON: door latch, 5/16-18 thd size			4	*	*		14	18
9	X2	0		5310-012-5599	NUT, PLAIN, PLATE: side door assembly mtg, No. 10-24 thd size			14	*	*		14	11
9	X2	0		5305-011-0499	SCREW, MACHINE: side door assembly, No. 10-24 thd size; 3/8 in. lg			14	*	*		14	10
9	X2	0		5310-010-6261	WASHER, FLAT: door latch, 5/16 in. id, 3/4 in. od, 1/16 in. thk			4	*	*		14	16
9	X2	0		5310-010-3320	WASHER, LOCK: door latch, 0.319 in. id, 0.591 in. od, 0.078 in. thk			4	*	*		14	17
X2	0			2805-732-1232	FASTENER: door, left			1	*	*		14	17



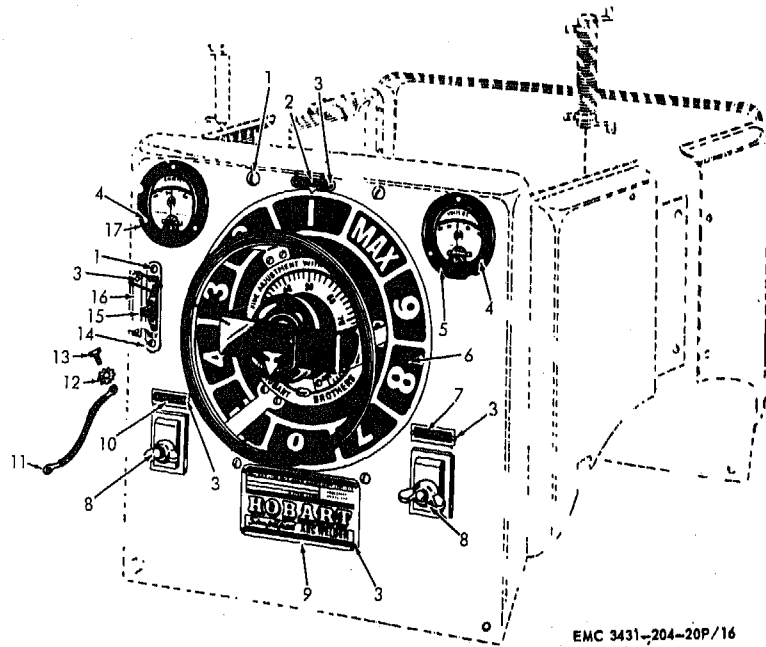
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SOURCE CODES				FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABLE	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY	15 DAYS ORGANIZATIONAL MAINTENANCE						FIG. ITEM NO.				
			MAINTENANCE							2ND ECH			
										1-5 EQP	6-10 EQP		
1700 - BODY, CAB, HOOD, HULL ASSEMBLIES (cont)													
	X2	0			FASTENER: door, left and right	"B" (28835) 3DW6343				*	*		
	X2	0			FASTENER: door, right	"A" (28835) 3DW275		2		*	*		
	X2	0			HANDLE, DOOR	"B" (28835) DW6347		1		*	*		
	X2	0			LATCH, DOOR	"B" (28835) DW6350		2		*	*	15	1
	X2	0			LOCK, HOOD DOOR: front	"B" (28835) BW413		2		*	*	15	2
	X2	0			LOCK, HOOD DOOR: rear	"B" (28835) BW412		1		*	*	15	8
9	X2	0		5310-010-2634	NUT, PLAIN, HEXAGON: door latch, 5/16-18 thd size	"B"		1		*	*	15	24
9	X2	0		5310-010-2634	NUT, PLAIN, HEXAGON: hood clamping strap screws, 5/16-18 thd size	"B"		2		*	*	15	3
9	X2	0		5310-010-2637	NUT, PLAIN, HEXAGON: rear panel to skid screw, 1/2-13 thd size	"B"		10		*	*	15	12
9	X2	0		5310-012-5599	NUT, PLAIN, PLATE: hood top screw, No. 10-24 thd size	"A"		2		*	*	15	14
9	X2	0		5310-012-5599	NUT, PLAIN, PLATE: top door panel to hood top screw, No. 10-24 thd size	"A"		22		*	*	14	11
	X2	0			PANEL, HOOD: front	"B"		14		*	*	15	6
	X2	0		3431-802-2217	PANEL, HOOD: rear	"A" (28835) 3DW272		1		*	*	14	21
	X2	0		3431-732-1167	PANEL, HOOD: upper section	"A" (28835) 3DW250		1		*	*	14	6
	X2	0			PANEL, HOOD: upper section	"A" (28835) 3DW237		1		*	*	14	7
9	X2	0		5305-042-7237	SCREW, CAP, HEXAGON HEAD: battery access door, cadmium or zinc plated; 1/4-20 thd size; 3/8 in. lg	"B" (28835) DW3104		1		*	*	15	13
9	X2	0		5305-010-0159	SCREW, CAP, HEXAGON HEAD: rear panel to skid; 1/2-13 thd size; 1 1/4 in. lg	"A"		4		*	*	14	3
9	X2	0		5305-286-1494	SCREW, MACHINE: front and rear hood panel, cadmium or zinc plated; 1/4-20 thd size; 1/2 in. lg	"B"		2		*	*	15	16
9	X2	0		5305-011-0499	SCREW, MACHINE: hood top, No. 10-24 thd size; 3/8 in. lg	"A"		10		*	*	14	24
9	X2	0		5305-011-0500	SCREW, MACHINE: top door panel to hood top, No. 10-24 thd size; 1/2 in. lg	"B"		22		*	*	14	10
	X2	0			STRAP: upper hood panel, radiator end	"B" (28835) CW395		14		*	*	15	5
	X2	0			STRAP: upper hood panel, rear	"B" (28835) CW510		1		*	*	15	9
9	X2	0		5310-638-2587	WASHER, FLAT: hood clamping strap screws, 11/32 in. id, 11/16 in. od, 0.065 in. thk	"B"		1		*	*	15	25
9	X2	0		5310-010-3319	WASHER, LOCK: battery access door, 0.255 in. id, 0.493 in. od, 0.062 in. thk	"B"		10		*	*	15	10
9	X2	0		5310-010-3320	WASHER, LOCK: front and rear hood clamping strap and door latches, 0.319 in. id, 0.591 in. od, 0.078 in. thk	"A"		4		*	*	14	4
9	X2	0		5310-010-3323	WASHER, LOCK: rear panel to skid screw, 0.509 in. id, 0.879 in. od, 0.125 in. thk	"B"		12		*	*	15	11
						"B"		2		*	*	15	15
GROUP 22 - MISCELLANEOUS BODY, CHASSIS OR HULL, AND ACCESSORY ITEMS 2210 - DATA PLATES AND INSTRUCTION HOLDERS													
9	P	0		5330-543-3261	GASKET: nameplate screw, radiator, copper; 3/8 in. id, 5/8 in. od, 3/32 in. thk	"B"		2		*	*	9	3

9	X2	0	3432-025-3106	PLATE, IDENTIFICATION (6 volts)	(28835) DW1170B	1	*	*	17	23
	X2	0	3432-025-3107	PLATE, IDENTIFICATION (115 volts)	(28835) DW1170C	1	*	*	17	21
	X2	0	3431-715-7122	PLATE, IDENTIFICATION: electrode	(28835) AW164	1	*	*	16	10
	X2	0		PLATE, IDENTIFICATION: engine panel	(28835) DW6345	1	*	*	17	15
	X2	0	3431-715-7115	PLATE, IDENTIFICATION: ground	(28835) AW165	1	*	*	16	7
	X2	0	6115-025-3109	PLATE, IDENTIFICATION: welder radiator	"A" (28835) DW3461C	1	*	*	14	19
	X2	0	3431-817-1432	PLATE, INSTRUCTION: generator control panel (turn off when not in use)	(28835) DW1170A	1	*	*	16	16
	X2	0	5930-025-3096	PLATE, INSTRUCTION: generator control panel (Set on arrow)	(28835) AW370	1	*	*	16	2
11	X2	0	3432-025-3098	PLATE, INSTRUCTION: reostat handle (increase current)	(28835) A49	1	*	*	17	24
9	X2	0		PLATE, NAME: motor generator	(28835) AW239A	1	*	*	16	9
	X2	0		PLATE, NAME: polarity switch	(28835) AW807	1	*	*	16	14
	X2	0		PLATE, NAME: welder radiator	"B" (28835) CW363	1	*	*	9	2
9	X2	0	5305-017-9837	SCREW, CAP, HEXAGON HEAD: radiator nameplate mtg, cadmium plated;	"B"	2	*	*	9	4
	X2	0		3/8-16 thd size; 3/4 in. lg						
9	X2	0	5305-013-2622	SCREW, MACHINE: generator motor nameplate, generator control panel, instruction plates, and identification plates, cadmium or zinc plated; No. 4-40 thd size; 3/16 in. lg		12	*	*	16	3
	X2	0		SCREW, MACHINE: reostat handle instruction plate (Supplied under Stock No. 5305-013-2622)		3	*	*	17	25
9	X2	0	5305-017-1344	SCREW, TAPPING, THREAD CUTTING: nameplate attaching, cadmium or zinc plated; No. 6-32 thd size; 3/8 in. lg		4	*	*	14	20
9	X2	0	5305-042-6632	SCREW, TAPPING, THREAD FORMING: identification plates, cadmium or zinc plated; No. 4-24 thd size; 3/16 in. lg		6	*	*	17	11
9	X2	0	5305-016-9554	SCREW, TAPPING, THREAD FORMING: polarity switch nameplate mtg, Type F, cadmium or zinc plated; 1/4-28 thd size; 3/8 in. lg		2	*	*		
	X2	0		TRANSFER (positive and negative)	(28835) A51	2	*	*	17	19
				GROUP 44 - WELDING EQUIPMENT 4403 - BRUSH HOLDER ASSEMBLY						
11	P	0	5977-447-4229	BRUSH, ELECTRICAL CONTACT: exciter (Minimum stockage of 4 is authorized)	(28835) DW1691	4	*	*		
11	P	0	5977-284-9901	BRUSH, ELECTRICAL CONTACT: 1 3/4 in. x 1 in. x 3/4 in (Minimum stockage of 12 is authorized)	(28835) AW103	12	*	*		
9	X2	0	5310-010-9084	NUT, PLAIN, HEXAGON: exciter brush spring and arm mtg screw, 1/4-20 thd size		4	*	*		
9	X2	0	5305-011-3958	SCREW, MACHINE: exciter brush spring and arm mtg, 1/4-20 thd size; 7/8 in. lg		4	*	*		
9	X2	0	5305-021-8318	SCREW, TAPPING, THREAD FORMING: brush pigtail mtg, No. 14-10 thd size; 1/2 in. lg		12	*	*		
9	X2	0	5305-011-1684	SCREW, TAPPING, THREAD FORMING: exciter brush pigtail mtg, cadmium or zinc plated; No. 8-15 thd size; 3/8 in. lg		8	*	*		
11	P	0	5977-374-5201	SPRING, HELICAL, TORSION	(28835) WT99-6	12	*	*		
11	P	0	5977-371-5501	SPRING, HELICAL, TORSION: exciter brush guide	(28835) WT99991	4	*	*		
	X2	0		WASHER, CUPPED: exciter brush spring adjustment	(28835) AW638	4	*	*		
				4407 - CONTROL PANELS, HOUSING, CUBICLES						
11	P1	C	6625-254-5229	AMMETER: auxiliary control panel, 0-50 dc	(28835) DW1901	1	*	*	17	1
11	P1	O	6625-252-5549	AMMETER: generator, 400-0-400 dc	(28835) BW714A	1	*	*	16	17

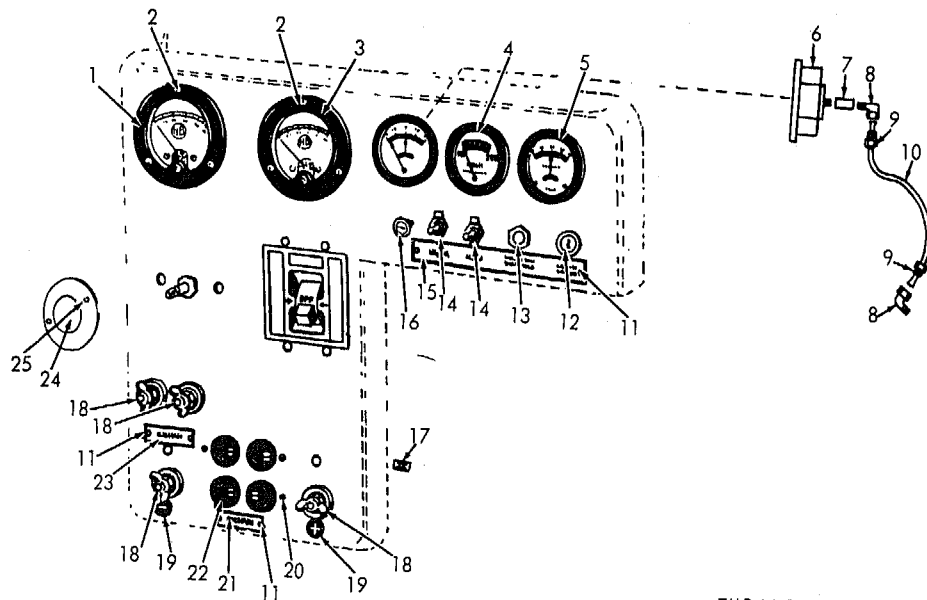
INDEX TO PARTS, FIGURE 16

Reference Number	Functional Group	Item Name
1	4410	SCREW
2	2210	PLATE
3	2210	SCREW
4	4407	SCREW
5	4407	VOLTMETER
6	4410	RESISTOR
7	2210	PLATE
8	4408	CLAMP
9	2210	PLATE
10	2210	PLATE
11	4414	LEAD
12	4414	WASHER
13	4414	SCREW
14	2210	PLATE
15	4410	SWITCH
16	2210	PLATE
17	4407	AMMETER



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Figure 16. Control Panel Components.



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Figure 17. Auxiliary Control Panel Components.

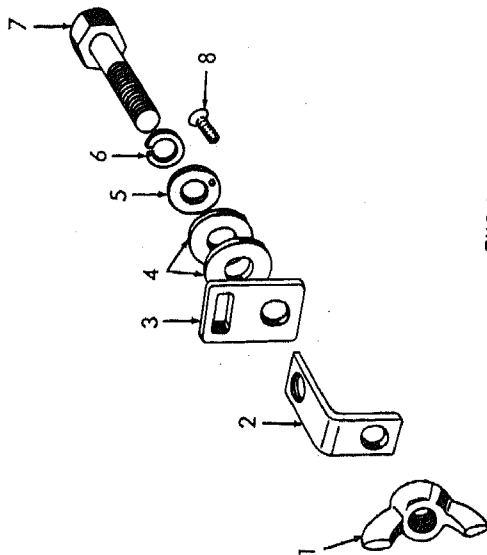
INDEX TO PARTS, FIGURE 17

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4407	AMMETER	10	4702	TUBE	18	4408	STUD
2	4407	SCREW	11	2210	SCREW	19	2210	TRANSFER
3	4407	VOLTMETER	12	0607	SWITCH	20	4408	SCREW
4	4702	THERMOMETER	13	0607	SWITCH	21	2210	PLATE
5	0607	AMMETER	14	0607	SWITCH	22	4408	CONNECTOR
6	4702	GAGE	14	4410	SWITCH	23	2210	PLATE
7	4702	COUPLING	15	2210	PLATE	24	2210	PLATE
8	4702	ELBOW	16	0312	CONTROL	25	2210	SCREW
9	4702	INVERTED NUT	17	4408	NUT			

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS		
TECHNICAL SERVICE	SOURCE	MAINTENANCE						RECOVERABILITY	15 DAYS ORGANIZATIONAL MAINTENANCE	FIG. NO.	ITEM NO.		
												2ND ECH	6-10 EQP
4407 - CONTROL PANELS, HOUSING, CUBICLES (cont)													
9	X2	0		5305-282-1041	SCREW, TAPPING, THREAD FORMING: generator ammeter and voltmeter mtg, No. 4-24 thd size; 3/8 in. lg		6	*	*		16	4	
9	X2	0		5305-218-5869	SCREW, TAPPING, THREAD FORMING: generator voltmeter and ammeter mtg, cadmium or zinc plated; No. 4-24 thd size; 1/2 in. lg		6	*	*		17	2	
11	P1	0		6625-244-5673	VOLTMETER: auxiliary generator control panel		1	*	*		17	3	
11	P1	0		6625-244-5672	VOLTMETER: generator, 100-0-100 dc		1	*	*		16	5	
4408 - CONNECTING DEVICES													
11	X2	0		5975-447-4285	CLAMP, ELECTRICAL: ground and electrode		2	*	*		16	8	
	X2	0			BUS BAR: cable connector		2	*	*		18	2	
11	X2	0		5970-698-7191	INSULATOR, PLATE: bakelite		2	*	*		18	3	
9	X2	0		5310-010-3131	NUT, PLAIN, WING: cable connecting, 1/2-13 thd size		2	*	*		18	1	
9	X2	0		5305-017-9887	SCREW, CAP, HEXAGON HEAD: ground and electrode connector, 1/2-13 thd size; 1 3/4 in. lg		2	*	*		18	7	
9	X2	0		5305-011-0985	SCREW, MACHINE: voltmeter cable connector washer, No. 6-32 thd size; 3/16 in. lg		2	*	*		18	8	
	X2	0		5310-213-1215	WASHER, FLAT: voltmeter connection		2	*	*		18	5	
9	X2	0		5310-010-3823	WASHER, LOCK: connector screw, 0.509 in. id, 0.879 in. od, 0.125 in. thk		2	*	*		18	6	
	X2	0		5330-429-1034	WASHER, NONMETALLIC: connector screw, fiber; 27/32 in. id, 1 5/8 in. od, 1/4 in. thk		4	*	*		18	4	
11	X2	0		5935-230-1482	CONNECTOR, RECEPTACLE, ELECTRICAL: auxiliary control panel, double three pole outlet, 15 amp, 125v		2	*	*		17	22	
9	X2	0		5310-017-3771	NUT, STAMPED: receptacle mtg, cadmium or zinc plated; No. 6-32 thd size		4	*	*		17	17	
9	X2	0		5305-010-0737	SCREW, MACHINE: receptacle mtg, No. 6-32 thd size; 3/8 in. lg		4	*	*		17	20	
	X2	0		5307-272-7097	STUD, CONTINUOUS THREAD: control panel, 6v, 110v, 1/4-20 thd size; 2 1/4 in. lg		4	*	*		17	18	
	X2	0			INSULATOR, BUSHING, FIBER: terminal stud		4	*	*		19	5	
9	X2	0		5310-010-9084	NUT, PLAIN, HEXAGON: terminal stud, 1/4-20 thd size		8	*	*		19	2	
9	X2	0		5310-010-3127	NUT, PLAIN, WING: terminal stud, 1/4-20 thd size		4	*	*		19	1	
	X2	0			STUD: terminal		4	*	*		19	6	
9	X2	0		5310-274-8797	WASHER, FLAT: terminal stud, 1/4 in. id, 1/2 in. od, 0.031 in. thk		4	*	*		19	7	
9	X2	0		5310-011-4604	WASHER, LOCK: terminal stud, 0.262 in. id, 0.502 in. od, 0.025 in. thk		4	*	*		19	3	
	X2	0		5330-202-1386	WASHER, NONMETALLIC: terminal stud, fiber; 33/64 in. id, 1 1/8 in. od, 1/2 in. thk		8	*	*		19	4	
4410 - SWITCHING, TIMING AND SPEED CONTROL													
	X2	0		2910-458-7963	ARM, BUTTERFLY CONTROL, CARBURETOR		1	*	*		20	2	
	X2	0		2910-447-4280	CHAIN ASSEMBLY: engine idle		1	*	*		20	8	
	P1	0		2920-354-2387	COIL ASSEMBLY, IDLING CONTROL		1	*	*		20	9	

INDEX TO PARTS, FIGURE 18

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4408	NUT	5	4408	WASHER
2	4408	BUS BAR	6	4408	WASHER
3	4408	INSULATOR	7	4408	SCREW
4	4408	WASHER	8	4408	SCREW

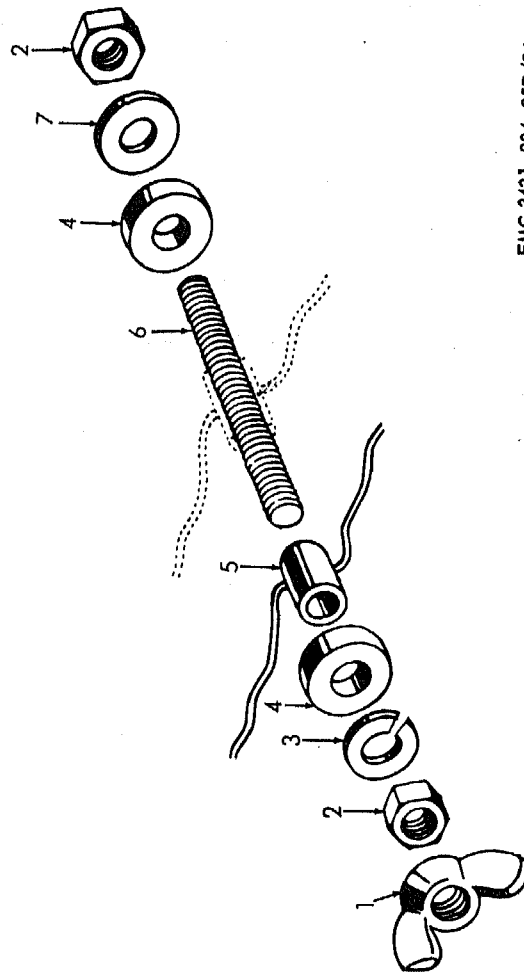


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Figure 18. Connecting Device (1).

INDEX TO PARTS, FIGURE 19

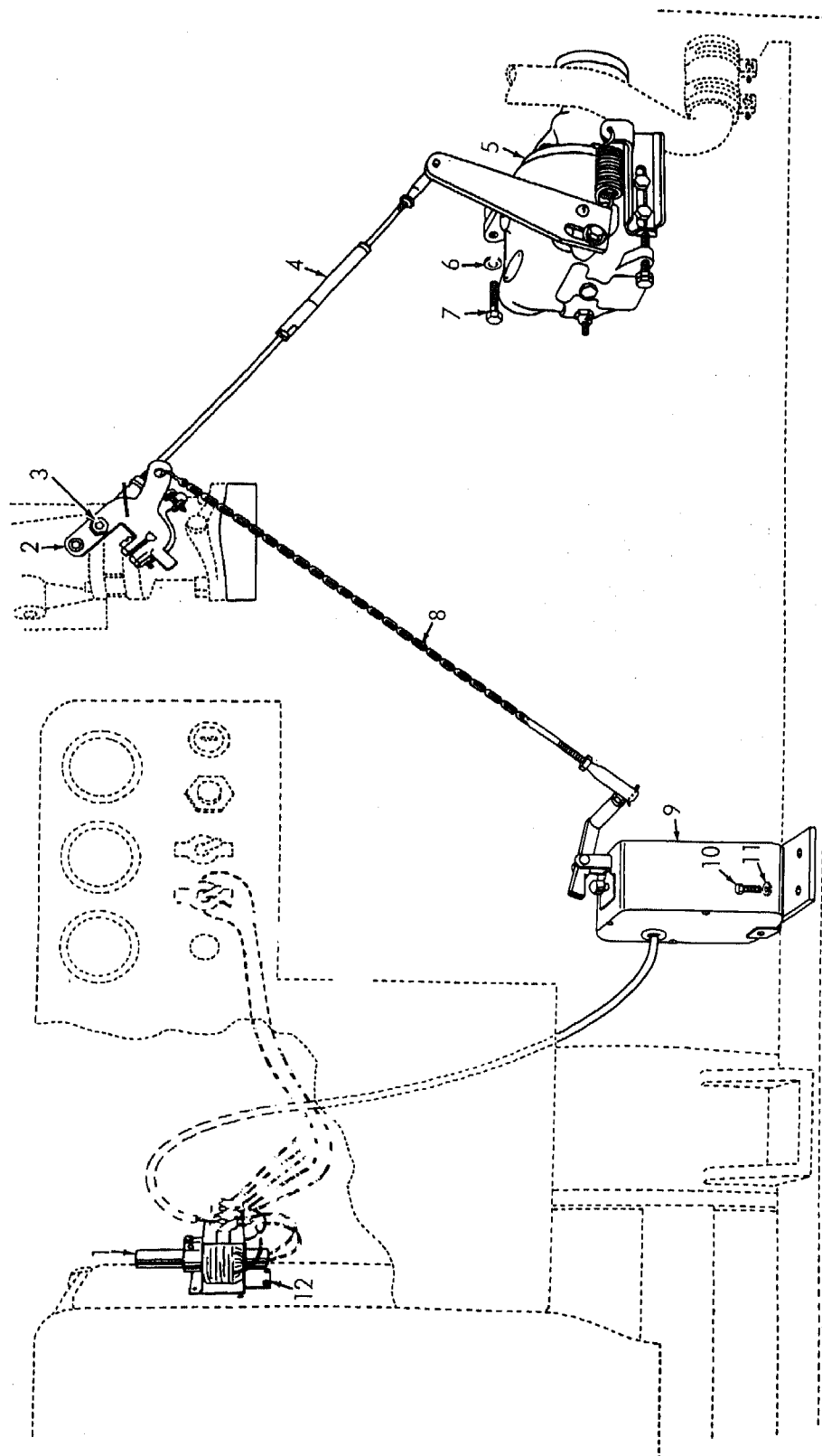
Reference Number	Functional Group	Item Name
1	4408	NUT
2	4408	NUT
3	4408	WASHER
4	4408	WASHER
5	4408	INSULATOR
6	4408	STUD
7	4408	WASHER



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Figure 19. Connecting Device (2).

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	6-10 EOP	FIG. NO.	ITEM NO.
4410 - SWITCHING, TIMING AND SPEED CONTROL (cont)												
11	X2	0	5950-374-5068	ARM, ROCKER YOKE: solenoid coil			1	*	*			
11	P1	0	5950-374-5052	COIL, SOLENOID			1	*	*			
10	X2	0	5325-264-1213	GROMMET, RUBBER: solenoid cover, electrical wire, 3/8 in. id, 11/16 in. od, 7/64 in. thk			1	*	*			
	X2	0		GUIDE, PLUNGER			1	*	*			
	M	0		INSULATOR: solenoid coil to yoke			1					
				MANUFACTURE FROM:			1					
10	P	0	5970-238-4842	INSULATION SHEET, ELECTRICAL (2 in. x 4 in. required)	SR			See Group	9501			
11	X2	0	5970-312-8704	INSULATOR, SOLENOID PLUNGER			1	*	*			
	X2	0	5310-886-9496	NUT, SHEET SPRING: pivot pin			1	*	*			
11	X2	0	5950-374-5069	PIN, STRAIGHT, HEADLESS: solenoid coil			1	*	*			
	X2	0		PLATE, COVER: magnetic yoke, back			1	*	*			
	X2	0		PLATE, COVER: magnetic yoke, front			1	*	*			
	X2	0		PLUNGER, SOLENOID			1	*	*			
11	X2	0	5950-374-5070	RIVET, SOLID: solenoid coil, 1/4 in. dia, 1 in. lg			1	*	*			
9	X2	0	5320-010-4085	SCREW, MACHINE: insulator mtg, No. 6-32 thd size; 1 in. lg			1	*	*			
9	X2	0	5305-010-0742	SCREW, TAPPING, THREAD FORMING: cover plate mtg, cadmium or zinc plated;								
9	X2	0	5305-016-9448	No. 6-32 thd size; 1/4 in. lg			4	*	*			
9	X2	0	5305-016-9450	SCREW, TAPPING, THREAD FORMING: plunger stop mtg, cadmium or zinc plated;			2	*	*			
	X2	0		STOR, PLUNGER: solenoid coil			1	*	*			
11	X2	0	5950-371-5481	SUPPORT, SOLENOID, COIL: magnetic			1	*	*			
	X2	0	5330-291-7940	WASHER, NONMETALLIC: fiber; 1 1/8 in. id, 2 1/4 in. od, 1/16 in. thk			2	*	*			
11	P1	0	5945-371-5463	MERCURY SWITCH: time delay			1	*	*	20	1	
9	X2	0	5310-275-1706	NUT, PLAIN, HEXAGON: time delay switch mtg, No. 6-32 thd size			2	*	*			
11	P1	0	5905-679-5804	RESISTOR, VARIABLE: multi-range			3	*	*	16	6	
	X2	0		BRACKET: handwheel mtg			1	*	*	21	16	
	X1			BRACKET: rear plug mtg			1	*	*	21	4	
	X1		3432-447-4197	CATCH, BALL FRICTION, CONTACT RING			4	*	*	21	24	
	X2	0		CATCH: rheostat			1	*	*	21	30	
	X1		5340-374-5204	CLIP, SPRING TENSION: multi-range switch			4	*	*	21	7	
11	X2	0	5935-258-4660	CONNECTOR, RECEPTACLE, ELECTRICAL: 2 contacts			1	*	*	21	3	
11	P1	0	5930-374-5039	CONTACT, ELECTRICAL			2	*	*	21	23	
11	P1	0	5945-429-0929	CONTACT, ELECTRICAL: multi-range switch			1	*	*	21	22	
	X2	0		DISC, SWITCH, FRONT			1	*	*	21	9	
	X2	0	5340-387-9438	HANDWHEEL: multi-range switch			1	*	*	21	12	
	X2	0		HOUSING: internal, multi-range switch			1	*	*	21	5	
	X1			INSULATOR, CONTACT FINGER SCREW			2	*	*	21	21	
11	X2	0	5970-447-4194	NUT, PLAIN, HEXAGON: remote control plug, No. 6-32 thd size			2	*	*	21	1	
9	X2	0	5310-275-1706	NUT, PLAIN, HEXAGON: resistance element mtg, 3/8-16 thd size			1	*	*	21	28	
9	X2	0	5310-655-9544	PLATE, DIAL: multi-range switch			1	*	*	21	10	
9	X2	0	5355-429-0935									



**Figure 20. Switching and Speed Controls.**

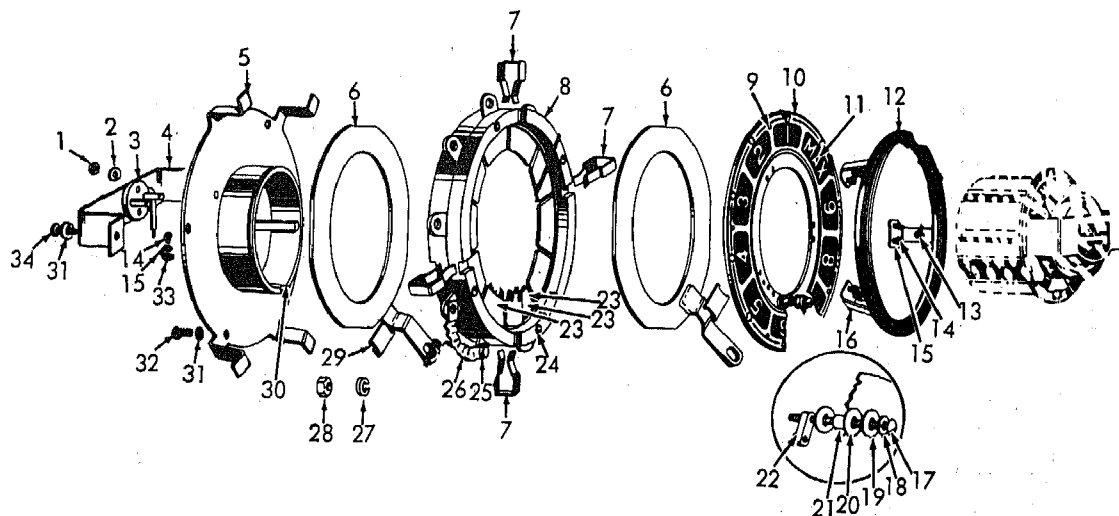
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## INDEX TO PARTS, FIGURE 20

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4410	MERCURY AY	4	0308	ROD	7	0308	BOLT
2	4410	ARM	5	0308	GOVERNOR	8	4410	CHAIN AY
3	0308	NUT	6	0308	WASHER	9	4410	COIL AY
						10	4410	SCREW
						11	4410	WASHER
						12	4410	SCREW

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	FIG. NO.	ITEM NO.	
4410 - SWITCHING, TIMING AND SPEED CONTROL (cont)												
11	X2	0	5970-308-2814	PLATE, INSULATION, RANGE SWITCH	(28835) AW929		2	*			21	29
11	X2	0	5905-447-4196	RESISTANCE ELEMENT	(28835) AW335		1	*			21	26
11	X1		5930-447-4251	RING, CONTACT	(28835) DW890A		1				21	6
	X1		3431-387-9466	RING, CONTACT CONTROL	(28835) DW859		1				21	8
9	X2	0	5305-010-6974	SCREW, CAP, HEXAGON HEAD: resistance element mtg, 3/8-16 thd size; 1/2 in. lg			1	*			21	25
9	X2	0	5305-011-3961	SCREW, MACHINE: contact finger mtg, 1/4-20 thd size; 1 1/4 in. lg			2	*			21	17
9	X2	0	5305-011-0499	SCREW, MACHINE: handwheel bracket mtg and rheostat catch, No. 10-24 thd size; 3/8 in. lg			7	*			21	14
9	X2	0	5305-685-1344	SCREW, MACHINE: internal housing mtg, 1/4-20 thd size; 5/8 in. lg			4	*			21	32
9	X2	0	5305-275-9837	SCREW, MACHINE: rear panel and bracket mtg, 1/4-20 thd size; 3/8 in. lg			2	*			21	34
9	X2	0	5305-042-6632	SCREW, TAPPING, THREAD FORMING: dial mtg, cadmium or zinc plated; No. 4-24 thd size; 3/16 in. lg			5	*			21	11
9	X2	0	5305-167-2327	SCREW, TAPPING, THREAD FORMING: handwheel bracket mtg, cadmium or zinc plated; No. 8-18 thd size; 1/2 in. lg			3	*			21	13
9	X2	0	5310-186-7358	WASHER, FLAT: rheostat catch, brass: 0.187 in. id, 0.375 in. od, 0.049 in. thk	(28835) B130		1	*			21	33
9	X2	0	5310-010-3319	WASHER, LOCK: contact finger mtg, cadmium or zinc plated; 0.255 in. id, 0.493 in. od, 0.062 in. thk			2	*			21	31
9	X2	0	5310-017-4916	WASHER, LOCK: contact finger mtg, cadmium or zinc plated; 0.262 in. id, 0.742 in. od, 0.036 in. thk			2	*			21	19
9	X2	0	5310-010-6497	WASHER, LOCK: handwheel bracket mtg and rheostat catch, 0.194 in. id, 0.337 in. od, 0.047 in. thk			7	*			21	15
9	X2	0	5310-010-3319	WASHER, LOCK: internal housing mtg, rear bracket mtg, contact finger, 0.255 in. id, 0.493 in. od, 0.062 in. thk			8	*			21	18
9	X2	0	5310-010-6495	WASHER, LOCK: remote control plug, 0.141 in. id, 0.253 in. od, 0.031 in. thk			2	*			21	2
9	X2	0	5310-261-7340	WASHER, LOCK: resistance element mtg, 0.382 in. id, 0.688 in. od, 0.094 in. thk			1	*			21	27
	X2	0	5330-447-4192	WASHER, NONMETALLIC: fiber: 25/64 in. id, 5/8 in. od, 1/8 in. thk	(28835) AK1074		4	*			21	20
9	X2	0	5305-261-1822	SCREW, CAP, HEXAGON HEAD: solenoid coil mtg, 1/4-20 thd size; 3/4 in. lg			2	*			20	10
9	X2	0	5305-010-0737	SCREW, MACHINE: time delay switch mtg, No. 6-32 thd size; 3/8 in. lg			2	*			20	12
9	X2	0	5305-016-9554	SCREW, TAPPING, THREAD FORMING: multi-range and polarity switch mtg, cadmium or zinc plated; 1/4-28 thd size; 3/8 in. lg			6	*			16	1
11	P1	0	5930-258-5541	SWITCH, TOGGLE: idle device	(28835) FW1312		1	See Group 9901			17	14
11	P1	0	5930-272-1382	SWITCH, TOGGLE: polarity	(28835) AW794		1	*			16	15
9	X2	0	5310-017-3124	WASHER, LOCK: multi-switch top mtg, 0.262 in. id, 0.742 in. od, 0.036 in. thk			2	*				
9	X2	0	5310-010-3319	WASHER, LOCK: solenoid coil mtg, 0.255 in. id, 0.493 in. od, 0.062 in. thk			2	*			20	11
9	X2	0	5310-010-6495	WASHER, LOCK: time delay switch mtg, 0.141 in. id, 0.253 in. od, 0.031 in. thk			2	*				



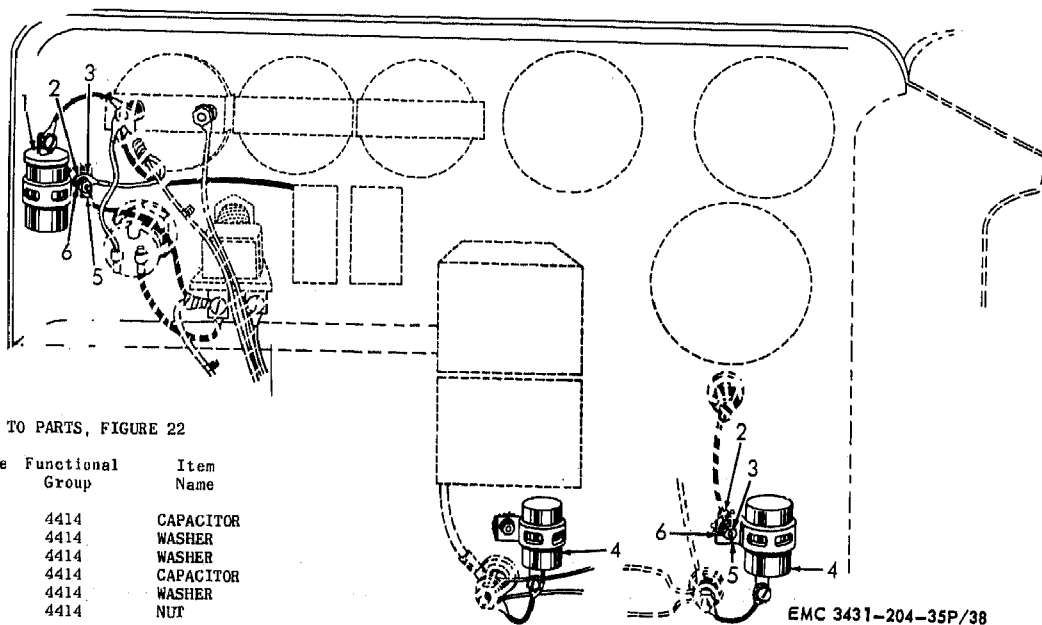


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Figure 21. Multirange Switch.

INDEX TO PARTS, FIGURE 21

Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name	Reference Number	Functional Group	Item Name
1	4410	NUT	13	4410	SCREW	24	4410	CATCH
2	4410	WASHER	14	4410	SCREW	25	4410	SCREW
3	4410	CONNECTOR	15	4410	WASHER	26	4410	RESISTNC ELEMENT
4	4410	BRACKET	16	4410	BRACKET	27	4410	WASHER
5	4410	HOUSING	17	4410	SCREW	28	4410	NUT
6	4410	RING	18	4410	WASHER	29	4410	PLATE
7	4410	CLIP	19	4410	WASHER	30	4410	CATCH
8	4410	RING	20	4410	WASHER	31	4410	WASHER
9	4410	DISC	21	4410	INSULATOR	32	4410	SCREW
10	4410	PLATE	22	4410	CONTACT	33	4410	WASHER
11	4410	SCREW	23	4410	CONTACT	34	4410	SCREW
12	4410	HANDWHEEL						



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Figure 22. Radio Interference Suppression.

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS	
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	FIG. NO.	ITEM NO.	
4414 - RADIO INTERFERENCE SUPPRESSION												
11	P	0	5910-161-6876	CAPACITOR, FIXED, PAPER DIELECTRIC: auxiliary control panel	(28835) DW5133AB		1	See Group	9901		22	1
11	P	0	5910-669-3913	CAPACITOR, FIXED, PAPER DIELECTRIC: auxiliary control panel, 0.1 uf, 500v, ac/dc	(28835) DW5133AA		2	(1)	(1)		22	4
11	P	0	5910-666-8381	CAPACITOR, FIXED, PAPER DIELECTRIC: control panel	(28835) DW5133AG		4	(1)	(1)			
11	P	0	5910-284-4087	CAPACITOR, FIXED, PAPER DIELECTRIC: generator brush holder, 0.25 uf	(28835) DW5133AF		4	(1)	(1)			
11	P	0	5910-127-8448	CAPACITOR, FIXED, PAPER DIELECTRIC: generator exciter brush, No. F, uf, 0.1	(28835) DW5133A		1	(1)	(1)			
	X2	0	6150-279-6065	LEAD, ELECTRICAL: louver cover to panel	(28835) DW6316		1	*	*		16	11
	X2	0		NUT, PLAIN, HEXAGON: auxiliary control panel capacitor mtg			2	*	*			
				(Supplied under Stock No. 5310-011-0633)								
9	X2	0	5310-011-0633	NUT, PLAIN, HEXAGON: capacitor mtg, control panel, No. 10-24 thd size			4	*	*		22	6
9	X2	0	5305-017-9791	SCREW, CAP, HEXAGON HEAD: louver to panel lead, 1/4-20 thd size; 1/2 in. lg			2	*	*		16	13
9	X2	0	5305-011-0502	SCREW, MACHINE: auxiliary control panel capacitor mtg, No. 10-24 thd size; 3/4 in. lg			3	*	*			
9	X2	0	5305-011-0985	SCREW, MACHINE: capacitor lead, control panel, No. 6-32 thd size; 3/16 in. lg			4	*	*			
9	X2	0		SCREW, MACHINE: capacitor mtg, control panel			4	*	*			
				(Supplied under Stock No. 5305-011-0499)								
9	X2	0	5305-011-0499	SCREW, MACHINE: generator and exciter brush holder capacitor mtg, No. 10-24 thd size; 3/8 in. lg			6	*	*			
9	X2	0		WASHER, LOCK: auxiliary control panel capacitor mtg			3	*	*			
				(Supplied under Stock No. 5310-010-6497)								
9	X2	0		WASHER, LOCK: auxiliary control panel capacitor mtg			3	*	*			
				(Supplied under Stock No. 5310-017-3122)								
9	X2	0		WASHER, LOCK: capacitor mtg, control panel			4	*	*		22	3
				(Supplied under Stock No. 5310-010-6497)								
9	X2	0		WASHER, LOCK: capacitor mtg, control panel			4	*	*		22	5
				(Supplied under Stock No. 5310-017-3122)								
9	X2	0	5310-010-6497	WASHER, LOCK: generator and exciter brush holder capacitor mtg, 0.194 in. id, 0.337 in. od, 0.047 in. thk			6	*	*			
9	X2	0	5310-017-3122	WASHER, LOCK: generator and exciter brush holder capacitor mtg, 0.200 in. id, 0.595 in. od, 0.031 in. thk			6	*	*		22	2
9	X2	0	5310-017-3124	WASHER, LOCK: louver to panel lead, 0.262 in. id, 0.742 in. od, 0.036 in. thk			2	*	*		16	12
GROUP 47 - GAGES; WEIGHING AND MEASURING DEVICES												
4702 - GAGES, MOUNTINGS, LINES AND FITTINGS												
	X2	0	4730-187-7609	COUPLING, PIPE: oil pressure gage, galvanized; both ends female, 1/8-27 thd size; 3/4 in. lg (GE)			1	*	*		17	7
	X2	0	4730-278-4766	ELBOW, PIPE TO TUBE: oil coupling to oil line, one end male, 1/8-27 thd size; other end female, 1/4 in. tube, 7/16-20 thd size			2	*	*		17	8

SOURCE CODES			FEDERAL STOCK NUMBER	DESCRIPTION	UNIT OF ISSUE	EXPENDABILITY	QUANTITY INCORPORATED IN UNIT	GUIDE QUANTITIES PER MAJOR EQUIPMENTS			ILLUSTRATIONS
TECHNICAL SERVICE	SOURCE	RECOVERABILITY						15 DAYS ORGANIZATIONAL MAINTENANCE	2ND ECH	6-10 ECH	
				4702 - GAGES, MOUNTINGS, LINES AND FITTINGS (cont)							
	PI	0	6620-430-5727	GAGE, PRESSURE DIAL INDICATING: oil							
	PI	0	6680-406-2997	INDICATOR, LIQUID QUANTITY: fuel, rocker type			1	*		*	17
11	PI	0	6685-447-4234	THERMOMETER, INDICATING, CAPILLARY TUBE AND BULB: 100-220°			1	*		*	7
	M	0		TUBE, COPPER: oil gage to engine			1	*		*	17
				MANUFACTURE FROM:			1				
	X2	0	4730-142-1593	INVERTED NUT, TUBE COUPLING: 1/4 in. od tube; 7/16-24 thd size							
	P	0	4710-277-5525	TUBE, COPPER (19 in. required)	FT		2	*	See Group	9501	17
				GROUP 76 - FIRE FIGHTING EQUIPMENT							
				7603 - FIRE EXTINGUISHERS							
	PI	0	4210-708-0031	CYLINDER, CHARGED: for extinguisher, fire, monobromotrifluoromethane, CF3Br 2.75 lb (GE)			1	*		*	
	PI	0	4210-799-3516	SEAL, SELF-LOCKING: for extinguisher, fire, monobromotrifluoromethane, CF3Br (GE)			1	*		*	
				GROUP 95 - GENERAL USE STANDARDIZED PARTS							
				9501 - BULK MATERIAL							
11	P	0	6145-171-3378	BRID, WIRE: copper; No. 34 AWG	FT			*		*	
9	P	0	4720-640-5439	HOSE, RUBBER: 1 1/2 in. id	FT			*		*	
10	P	0	5970-238-4842	INSULATION SHEET, ELECTRICAL: 0.025 in. thk, 51 in. w, 73 in. lg	SH			*		*	
	P	0	5330-233-5847	PAPER, GASKET: 36 in. w, 1/16 in. thk (GE)	YD			*		*	
	P	0	4710-277-5525	TUBE, COPPER: 0.250 in. dia	FT			*		*	
				GROUP 99 - PARTS PECULIAR							
				9901 - PARTS PECULIAR WITH MORE THAN ONE APPLICATION							
	X2	0		ADAPTER							
11	P	0	5910-161-6876	CAPACITOR, FIXED, PAPER DIELECTRIC: 0.1, uf, 100v, dc			10	*		*	
11	PI	0	5930-258-5541	SWITCH, TOGGLE			4	(1)		(1)	
							2	*		*	

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By Order of the Secretary of the Army:

EARLE G. WHEELER,  
General, United States Army,  
Chief of Staff.

Official:

J. C. LAMBERT,  
Major General, United States Army,  
The Adjutant General.

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USAR: Same as active Army except allowance is one copy to each unit.

For explanation of abbreviations used, see AR 320-50.



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